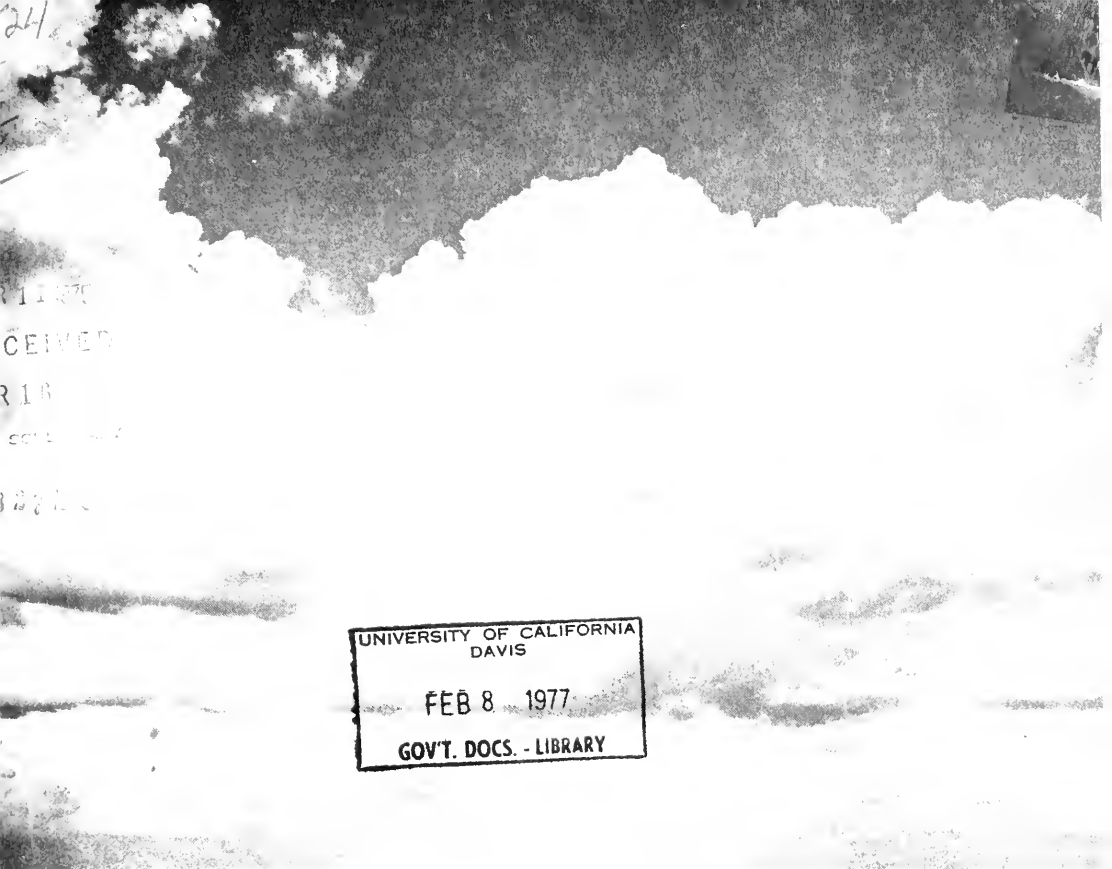


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Rainfall Analysis for Drainage Design Volume II. Long-Duration Precipitation Frequency Data

Bulletin No. 195
October 1976

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Technical Report Documentation Page

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16. Abstract This report is an analysis of depth-duration-frequency of precipitation in California and contains the annual series extreme values from about 30 rain gage networks in California. A statistical analysis of each record is available, giving 12 return periods ranging from 2 to 10,000 years and durations of 5 minutes to 60 days, including the annual total precipitation. Methods of interstation interpolation are given. Hourly precipitation records of the National Weather Service were reevaluated to develop 5-, 10-, 15-, and 30-minute extreme data. This volume reports depth-duration-frequency analysis of precipitation with durations of one day to 60 days from 900 nonrecording rain gages. The data contained in this report are intended for use in runoff computation using procedures such as the rational method or the unit hydrograph method. A cooperative computer data bank has been developed to store data on rainfall extremes and to periodically analyze data, as well as to maintain a continuous file for future use by cooperators.		
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**Department of
Water Resources**

Bulletin No. 195

Rainfall Analysis for Drainage Design

**Volume II.
Long-Duration Precipitation
Frequency Data**

October 1976

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Secretary for Resources

**The Resources
Agency**

Edmund G. Brown Jr.
Governor

**State of
California**

Ronald B. Robie
Director

**Department of
Water Resources**

OTHER VOLUMES OF BULLETIN NO. 195
(Bound separately)

Volume I. Short-Duration Precipitation Frequency
Data

Volume III. Intensity-Duration-Frequency Curves

Disclaimer Statement

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CONTENTS

ORGANIZATION	iii
ACKNOWLEDGMENTS	vi
INTRODUCTION	1
Data Bank	2
Limitations of Rain Gages	2
Earlier Reports	2
Maximum Daily Rainfall	3
ANALYSIS OF THE DATA	5
Regional Coefficients	7
Frequency Distribution	9
Fixed-Interval Corrections	9
Partial Duration Series and Annual Series	12
Depth-Duration-Frequency Tables	12
Safety Factors in Hydrology	13
INTERSTATION INTERPOLATION	17
Coefficient of Variation	17
REFERENCES	18
KEY TO STATION DESCRIPTIONS	20
TABLES OF LONG-DURATION PRECIPITATION FREQUENCY DATA	47

Figures

1	Variation in Extreme Precipitation Statistics with Storm Duration	6
2	Regions of Uniform Coefficient of Variation	10
3	Regions of Uniform Coefficient of Skew	10
4	Skew-Kurtosis Relationship with Criteria for Three Frequency Distributions	11
5	Relationship of Permissible Level of Risk and Return Period	14

Tables

1	Regional Rainfall Extremes from Nonrecording Rain Gages	3
2	Frequency Factors for Pearson's Type III Distribution . .	6
3	Regional Coefficient of variation of Maximum Annual Series Precipitation	8
4	Regional Coefficient of Skew of Maximum Annual Series Precipitation	8

Plates

1	Major Drainage Provinces and Hydrologic Units	22
2	Location of Daily Precipitation Gages	23
3	Mean Annual Precipitation	29
4	Mean 24-Hour Storm	31
5	10-Year, 24-Hour Storm	32
6	25-Year, 24-Hour Storm	33
7	50-Year, 24-Hour Storm	34
8	100-Year, 24-Hour Storm	35
9	1,000-Year, 24-Hour Storm	36
10	Probable Maximum Precipitation, 24-Hour Storm	37
11	Coefficient of Variation of Maximum Annual 24-Hour Precipitation	38

Index

Daily Rain Gage Stations by Alphabetic Order	39
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and many private individuals

INTRODUCTION

Bulletin No. 195, *Rainfall Analysis for Drainage Design*, comprises three volumes issued as separately bound publications that complement one another but are also useful as independent documents. Volume I contains short-duration precipitation data. This volume, Volume II, contains analyses of long-duration precipitation frequency records for storms lasting from one day to 60 days. Data on rainfall and snowfall are included. Volume III contains precipitation intensity-duration-frequency data.

Volume I includes records of precipitation for storm durations shorter than one day recorded by gages having five or more years of record. Volume II includes selected data on daily rainfall frequency, with 20 or more years of record. The data include the following:

All records evaluated during the past 15 years by the Department of Water Resources for spillway analysis.

Records from stations that have been added to complete a minimum statewide grid.

Comprehensive countywide data sets provided by several county flood control districts.

Records of gages having 70 or more years of daily rainfall record.

Data on extreme rainfall contributed by many consulting engineers and private meteorologists.

The daily depth-duration-frequency tables are arranged by drainage areas for all California stations with 20 or more years of record. (These areas are the major drainage provinces and hydrographic units shown on Plate 1.) The tables report data for periods of 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 30, and 60 consecutive days, and total annual precipitation. These are records from which the regional coefficients of skewness and variation used in Volume I were derived.

The usefulness of time-related data depends on the frequency with which observations are made. However, data storage capacity limits the total amount of information that can be collected and analyzed economically. Restricting the data to an annual series of extremes, as has been done in this study, has simplified the maintenance of the data file. Only the greatest

depth of rain for each year for the specific durations under study are reported here.

Data Bank

A permanent data bank containing long-duration data (for 1 to 60 days), reported here as Volume II, is filed in the Computer Systems Office of the Department of Water Resources on a seven-channel magnetic tape. The procedure for editing and updating the daily rainfall frequency data file is Computer Process 842. Data are retrieved and analyzed by Computer Process 843. The data are filed in this system by the drainage areas shown on Plate 1.

The data bank is a truly cooperative enterprise between the Department of Water Resources and the agencies listed under "Acknowledgments", which have contributed the data reported in Bulletin No. 195. The information filed in this bank is available to all cooperators in this study. The locations of those stations having 20 or more years of record are shown on Plate 2 and listed in the index.

Limitations of Rain Gages

A word of caution regarding the inadequacies of rain gage records is important to the user of this data. Both wind and snow can cause gages to underregister by preventing precipitation from entering the gage.^{1,2} Turbulent air reduces rainfall catch by deflecting the rain from the gage orifice. Its deflection of snow is even greater. Snow also interferes with the functioning of the gage by occasionally forming a thick cap over the gage opening. The loss of record that ensues is usually unknown. It has not been possible, therefore, to correct these studies to account for such errors in the record. The data user should probably select a large return period or use some other procedure as a safety factor under snowy conditions.

Earlier Reports

Two previous publications have been useful in preparing this report. In 1961, the U. S. Weather Bureau issued its Technical Paper No. 40³, in which are summarized data for storm durations of 30 minutes to 24 hours and return periods up to 100 years. The paper's full utility was limited by rain frequency maps drawn to a scale of 1:10,000,000. In 1973, the National Weather Service published a rain frequency atlas for California⁴ in which the depiction of rain frequency in the State was improved by maps at a scale of 1:1,000,000. The atlas developed data for 6-hour and 24-hour storm durations and return periods up to 100 years.

Maximum Daily Rainfall

Extremes of rainfall are best expressed in terms of statistical variation, rather than in inches of rain. Evaluating rainfall events as standard deviations above the mean provides a truer measure of maximum rainfall. When extreme rains are thus normalized, the highest values often are shown to have occurred at stations other than those that received the heaviest rains. This is demonstrated by the data shown in Table 1. In the North Coastal drainage province, for example, the extreme recorded daily rainfall occurred in 1949 at Gasquet Ranger Station, where the maximum daily precipitation was 474 millimetres (18.70 inches). This is 2.7 standard deviations above the mean. However, when the data are normalized, the extreme rains in that area are shown instead to have taken place in 1951 at Orick, where the maximum daily precipitation was 292 millimetres (11.50 inches), or 4.0 standard deviations above the mean. Occasionally the values for extreme recorded rainfall and the normalized extreme rainfall coincide at one station, as in the case of Lytle Creek in the Santa Ana drainage province. For the most part, though, such events are the exception.

Table 1. REGIONAL RAINFALL EXTREMES FROM NONRECORDING RAIN GAGES

Drainage* Province	Station	Extreme Recorded Rainfall			Standard Deviations Above the Mean	Station	Normalized Extreme Rainfall			Standard Deviations Above the Mean
		Mean Annual Rainfall in millimetres (in inches)	Year	Maximum Daily Rainfall in millimetres (in inches)			Mean Annual Rainfall in millimetres (in inches)	Year	Maximum Daily Rainfall in millimetres (in inches)	
North Coastal	Gasquet Ranger Station	2 593 (102.08)	1949	475 (18.70)	2.7	Orick	1 807 (71.15)	1951	292 (11.50)	4.0
San Francisco Bay	Lake McKenzie	1 168 (45.97)	1956	305 (12.01)	3.2	Mt. Hamilton	679 (26.73)	1885	230 (9.05)	4.2
Central Coastal (North)	Boulder Creek	1 577 (62.10)	1959	319 (12.57)	1.8	Paicines	388 (15.29)	1956	142 (5.60)	3.9
Central Coastal (South)	Juncal Dam	720 (28.36)	1969	406 (16.00)	3.2	Los Alamos	387 (15.22)	1918	148 (5.81)	3.6
Los Angeles	Hoegees	941 (37.03)	1943	522 (20.57)	3.3	Sawtelle	377 (14.84)	1934	239 (9.40)	4.1
Santa Ana	Lytle Creek	839 (33.02)	1969	633 (24.92)	6.3	Lytle Creek	839 (33.02)	1969	633 (24.92)	6.3
San Diego	Henshaw Dam	652 (25.67)	1927	368 (14.48)	4.0	Henshaw Dam	652 (25.67)	1927	368 (14.48)	4.0
Sacramento River	Hobergs	1 465 (57.68)	1938	361 (14.20)	2.9	Colfax	1 208 (47.57)	1965	162 (6.37)	4.1
San Joaquin River	Crane Valley	1 020 (40.16)	1956	230 (9.04)	2.5	Hetch Hetchy	867 (34.13)	1951	201 (7.91)	3.6
Tulare Lake	Kern River Intake 3	426 (16.77)	1967	331 (13.02)	4.9	Kern River Intake 3	426 (16.77)	1967	331 (13.02)	4.9
North Lahontan	Tahoe City	802 (31.56)	1945	190 (7.50)	2.8	Susanville	374 (14.72)	1963	119 (4.70)	2.9
South Lahontan	Squirrel Inn	1 018 (40.07)	1916	427 (16.81)	4.1	Independence	116 (4.55)	1967	145 (5.72)	4.4
Colorado River	Raymond Flat	828 (32.60)	1938	343 (13.50)	2.7	Indio	79 (3.12)	1940	164 (6.45)	5.1

* See Plate 1



Standard rain gage of the type used to measure daily rainfall for the past 70 years. Support device and stakes secure these gages to the ground.

Photo by Weather Measure Corp.

ANALYSIS OF THE DATA

The equations of mean (\bar{X}), standard deviations (S), the coefficient of skew (g), the coefficient of kurtosis (k), and the coefficient of variation (CV) are basic to this study. They are shown here:

$$\bar{X} = \frac{\sum X}{N}$$

$$S = \frac{\sum (x)^2}{N-1}$$

$$g = \frac{N \sum (x)^3}{(N-1)(N-2)S^3}$$

$$k = \frac{N^2 \sum (x)^4}{(N-1)(N-2)(N-3)S^4}$$

$$CV = \frac{S}{\bar{X}}$$

Where X = the magnitude of an event and $x = X - \bar{X}$

The mean expresses the central tendency of the data set. The standard deviation measures the deviation from the mean. The skew shows the lack of symmetry, or lopsidedness, that occurs in a rainfall data set due to bounding by a lower limit and virtually no bound on rains' upper limit. Kurtosis is used here to test for appropriateness of various frequency distributions.

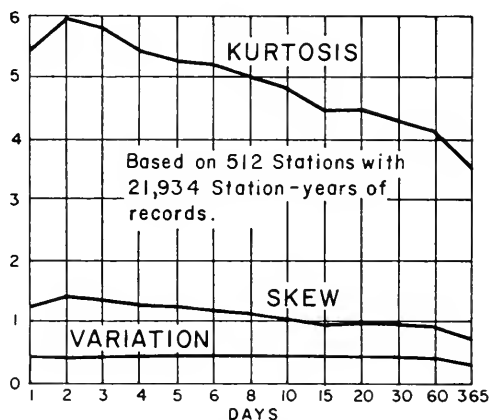
A number of probability distributions have been found to be adequate for hydrologic frequency analysis; these include the normal, exponential, Gumbel, log-normal, log Pearson's Type III, Pearson's Type III (Gamma), and Weibull distributions.⁵ For each distribution there exists a unique relationship between the coefficients of skewness and kurtosis. The Pearson's Type III distribution is used in this report.

The precipitation depth-duration-frequency tables in this volume were prepared with the Department's Computer Program No. 3024. This program uses the general equation for hydrologic frequency analysis from Chow's *Handbook*⁶, which is:

TABLE 2
FREQUENCY FACTORS FOR PEARSON'S TYPE III DISTRIBUTION

Return Period in Years	Coefficient of Skew																		
	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0		
2	-.07	-.08	-.10	-.12	-.13	-.15	-.16	-.18	-.20	-.21	-.23	-.24	-.25	-.27	-.28	-.29	-.31		
5	.82	.81	.80	.79	.78	.77	.76	.75	.73	.72	.71	.69	.68	.66	.64	.63	.61		
10	1.32	1.32	1.33	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.33	1.33	1.32	1.32	1.31	1.30		
20	1.75	1.77	1.80	1.82	1.84	1.86	1.88	1.89	1.91	1.92	1.94	1.95	1.96	1.97	1.98	1.99	2.00		
25	1.88	1.91	1.94	1.97	1.99	2.02	2.04	2.06	2.09	2.11	2.13	2.15	2.16	2.18	2.19	2.21	2.22		
40	2.14	2.19	2.22	2.27	2.31	2.35	2.38	2.42	2.45	2.49	2.52	2.55	2.58	2.61	2.64	2.66	2.69		
50	2.26	2.31	2.36	2.41	2.45	2.50	2.54	2.58	2.63	2.67	2.71	2.74	2.78	2.81	2.85	2.88	2.91		
100	2.62	2.69	2.76	2.82	2.89	2.96	3.02	3.09	3.15	3.21	3.27	3.33	3.39	3.44	3.50	3.55	3.61		
200	2.95	3.04	3.13	3.22	3.31	3.40	3.49	3.58	3.66	3.75	3.83	3.91	3.99	4.07	4.15	4.22	4.30		
1,000	3.67	3.81	3.96	4.10	4.24	4.39	4.53	4.67	4.81	4.96	5.10	5.23	5.37	5.51	5.64	5.77	5.91		
2,000	3.96	4.12	4.29	4.46	4.63	4.80	4.97	5.13	5.30	5.47	5.63	5.80	5.96	6.12	6.28	6.44	6.60		
10,000	4.60	4.82	5.05	5.27	5.50	5.72	5.96	6.18	6.41	6.64	6.87	7.09	7.32	7.54	7.77	8.00	8.21		

Figure 1.



VARIATION IN EXTREME PRECIPITATION
STATISTICS WITH STORM DURATION

$$P_{ji} = \bar{P}_i + K_j S_i$$

where j = return period in years

i = specific storm duration in minutes, hours, or days

P_{ji} = precipitation in inches for return period j and duration i

\bar{P}_i = mean maximum annual storm for duration i

K_j = frequency factor (in standard deviations) for return period of j years

S_i = standard deviation of maximum annual storm for duration i

The frequency factor (K) is from the Pearson's Type III Distribution⁷ and is related to the return period, as shown on Table 2. As an example of the significance of skewness in hydrologic frequency analysis, a 1,000-year storm is defined as the mean plus 3.67 standard deviations for a skewness of 0.4 and the mean plus 5.91 standard deviations for a skewness of 2.0.

Regional coefficients of skewness (Sk) are used because skewness is quite sensitive to large storm events in small statistical samples. The sensitivity of skewness was illustrated when the largest daily rainfalls from 79 daily rainfall records, each having 70 years or more of record, was normalized in terms of standard deviations in excess of the mean. The coefficient of determination between the normalized maximum daily rainfall and the coefficient of skewness was 0.74, indicating 74 percent of the variation in the coefficient of skewness is related to the size of the largest daily event in the rainfall record.

Regional Coefficients

Standard deviations of extreme annual rainfall are subject to sizable random errors for small samples of years. To overcome the small sample problem, the standard deviations have all been converted to a dimensionless coefficient of variation (CV) by dividing the standard deviations by means. Averages of the coefficients of variation are quite stable over a broad range of storm durations, as well as over a broad geographic region.

The uniformity of the coefficient of variation with duration is illustrated on Figure 1, which shows a nearly uniform coefficient of variation for all storm durations from one to 60 days. This was based on statewide averages. The actual values selected for use in this report are shown on Table 3 for the 14

Table 3. REGIONAL COEFFICIENT OF VARIATION OF MAXIMUM ANNUAL SERIES PRECIPITATION
Second Approximation - September 11, 1975

Regions*	Storm Duration in Days												
	1	2	3	4	5	6	8	10	15	20	30	60	365
1	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
2	.383	.424	.446	.464	.459	.449	.414	.400	.373	.364	.335	.331	.276
3	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
4	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
5	.348	.371	.372	.370	.361	.359	.364	.363	.363	.365	.369	.377	.324
6	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
7	.376	.408	.425	.434	.436	.437	.441	.427	.450	.439	.413	.422	.381
8	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
9	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
10	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
11	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
12	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
13	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
14	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

*Shown in Figure 2.

Table 4. REGIONAL COEFFICIENT OF SKEW OF MAXIMUM ANNUAL SERIES PRECIPITATION
Second Approximation - October 14, 1975

Regions*	Storm Duration in Days												
	1	2	3	4	5	6	8	10	15	20	30	60	365
1	1.1	1.3	1.2	1.1	1.1	1.0	.9	.8	.6	.8	.7	.7	.4
2	1.3	1.5	1.6	1.7	1.6	1.7	1.5	1.5	1.2	1.2	1.1	1.0	.6
3	1.3	1.6	1.5	1.4	1.3	1.3	1.1	1.0	.9	.9	.9	.8	.5
4	1.1	1.2	1.1	1.0	.9	.9	.9	.8	.8	.8	.8	.8	.5
5	1.2	1.4	1.3	1.2	1.1	1.0	1.0	.9	.8	.7	.7	.8	.8
6	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.3	1.1	1.2	1.0
7	1.3	1.5	1.4	1.3	1.2	1.3	1.5	1.5	1.4	1.4	1.4	1.5	1.2
8	1.2	1.4	1.3	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.0	1.1	1.0
9	1.4	1.3	1.3	1.4	1.4	1.4	1.2	1.2	1.1	1.0	1.0	1.2	.9
10	1.6	1.8	1.7	1.7	1.7	1.7	1.8	1.8	1.6	1.6	1.4	1.5	1.1
11	1.2	1.3	1.2	1.1	1.1	1.0	1.0	1.0	.9	.9	.8	1.1	.9
12	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.6	1.8	1.6	1.1
13	1.6	1.5	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	1.1

* Shown in Figure 3.

geographic zones shown on Figure 2. These values of CV were based on weighted mean values derived from the length of record. It is anticipated that these values will be periodically modified. The geographic zones were selected on the basis of similar values of CV. The chief problem with the CV values in Table 3 is demonstrated by the abrupt discontinuities between adjacent zones. To overcome these, lines of equal CV have been prepared for future consideration. They are shown in Plate 11. Perhaps some smoothing technique should be used in all of these 14 zones. The only zone, where smoothing was used was the southeast part of the zone, where the random fluctuations (in CV with duration) were felt to be excessive.

The coefficient of skew (CS) was averaged in zones of similar values (Table 4). These are shown on Figure 3. Regional coefficients of skewness were selected to avoid the situation in which a projected rainfall event for a large return period at a short duration would exceed one for a long duration. Such a situation has occurred in previous reports.

Frequency Distribution

The criterion for the selection of a frequency distribution to represent extreme annual precipitation for this report is the skew-kurtosis relationship shown on Figure 4, which shows curves representing log-normal, Weibull, and Pearson's Type III distributions, as well as points representing normal and Gumbel distributions. The data points represent weighted averages of skew and kurtosis from 512 daily rainfall measuring stations with 21,934 station-years of record. The Pearson's Type III distribution is the clear choice for all storm durations up to 30 days. The Weibull distribution is the best choice for 60-day storm durations and for yearly total rainfall. However, the Type III distribution is used throughout this study.

Fixed-Interval Corrections

Design storms provide the maximum values that are likely to occur for any duration, regardless of beginning and ending time. Weather observations, by contrast, are taken at a fixed time each day. Previous studies³ have shown that, on the average, the maximum daily rainfall occurring in the wettest consecutive 1,440 minutes is 14 percent greater than that taken from a once-a-day observation made at a fixed time. The same fixed rainfall measurement interval exists, regardless of duration; that is, the maximum annual rain falling for 60 consecutive minutes is 14 percent greater than the clock-hour maximum rains observed at fixed intervals.

These fixed interval corrections are described by Weiss⁸ as independent of the time interval under study and as equally valid when used to describe hourly, daily, or monthly extreme data. The values of clock-hour correction (which have been used in these studies) are shown in the following tabulation.

Figure 2.

REGIONS OF UNIFORM COEFFICIENT OF VARIATION

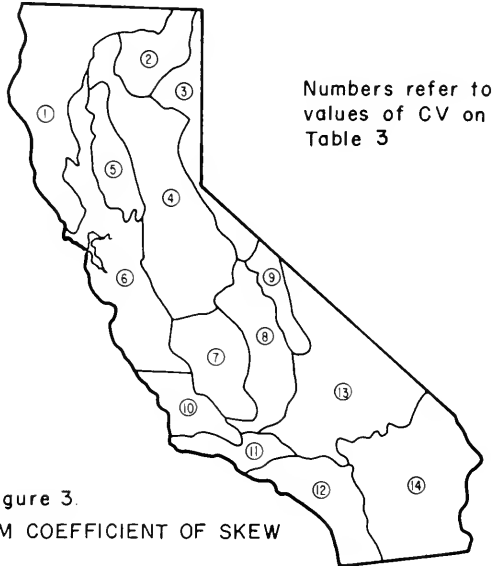
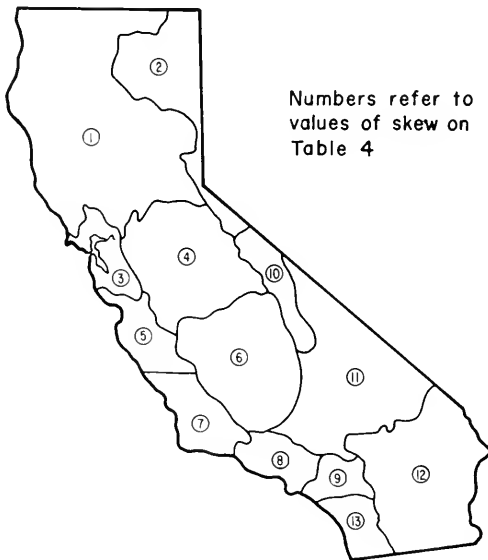


Figure 3.

REGIONS OF UNIFORM COEFFICIENT OF SKEW



Interval	1	2	3	4	5	6	8	10
Correction	1.14	1.07	1.04	1.04	1.03	1.02	1.02	1.01

The interval can be in any uniform time increments. These clock-hour corrections also become calendar-day corrections when a uniform once-a-day observation time is used.

Partial Duration Series and Annual Series

Two methods exist for extracting the extreme values of time series data: using either the highest value of a total series, regardless of the time it occurs, or the highest value for each year. The analyzed results affect only relatively short return periods because, for periods longer than ten years, the two series merge into one.

The partial duration series are those values that exceed a given base level, no matter when they occur. With this series, an analysis may include one year in which several large floods occurred and other years in which no storm as large as the base level occurred. The partial duration series is used for studying storms that have return periods of less than five years; longer return periods show little substantial difference.

Partial duration series analysis requires the data analyst to use foresight in selecting a base level of storm events for a predetermined number of data points.

The annual series consists of the largest annual value for each year, with only one value per year. Langbein⁹ has compared the results of the annual series to the partial duration series, as shown by the following conversion factors.

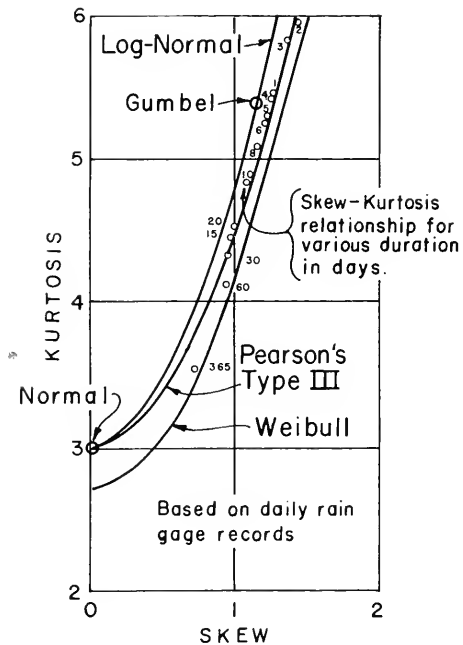
Return Period in Years						
Annual Series	0.5	1.0	2.0	5.0	10.0	100.0
Partial Duration Series	1.16	1.58	2.54	5.52	10.5	100.5

The annual series provides one great advantage over the partial duration series: ease of data file management. When the files of extreme data are updated, one year's record can be added to the data file for each year without regard to prior data files.

Depth-Duration-Frequency Tables

The depth-duration-frequency tables in this report have several parts. The first part with station number, station name, elevation, location, and county code is described in "Key to Station Descriptions" in this volume.

Figure 4.



SKEW-KURTOSIS RELATIONSHIP
WITH CRITERIA FOR THREE
FREQUENCY DISTRIBUTIONS

The second part of the tables is a matrix of columns of storm events ranging from 1 day to 60 days, including the annual total precipitation, and return periods ranging from 2 to 10,000 years, with a probable maximum precipitation (PMP) estimated as the mean plus 15 standard deviations.¹⁰ The calendar, fiscal, or water year total precipitation is coded as C YR, F YR, or W YR, or when unspecified, as 365 D.

The third part of the table contains the mean, which is the arithmetic average; the clock-hour correction,⁸ where used; the calculated skew; the regional skew; and the actual skew, which is used on the computations for the duration-return period matrix.

The fourth part of the table contains the kurtosis, which is the fourth moment function.¹¹ The number of data points used in the computations for each column is coded as N. The year in which the highest rainfall of record occurred is coded as Record Year. The highest precipitation for each duration is indicated in the row labeled Record Maximum. Normalized Max is the record maximum in units of standard deviations in excess of the mean for each duration. The calculated coefficient of variation is coded as Calc. Coef. of Var. The regional coefficient of variation is coded as Regn. Coef. Var. The coefficient of variation used in this report is coded as Used Coef. Var.

The fifth part of the table contains dimensionless ratios of precipitation for return periods of 10 to 10,000 years, expressed as percentages of the mean annual precipitation. These are coded as RP 10/A, etc. PMP is also expressed as PMP/A (probable maximum precipitation expressed as a fraction of the mean annual rainfall (A)), so that the mean annual precipitation can easily be used as an interstation interpolating device, as well as a means of comparing adjacent records for consistency.

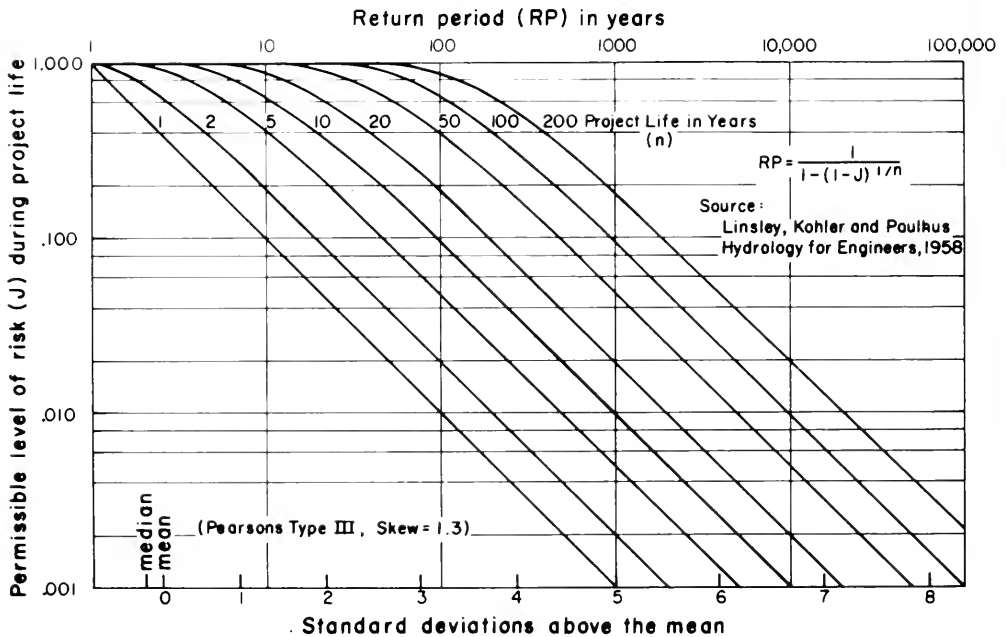
The data user is expected to be concerned mainly with the first two parts of the table. The remainder of each is printed in the interest of continued procedures development.

The last line of the depth-duration-frequency table states: "Where N is small, results are not dependable". In this application, "small" means records of 25 years or less. From sampling theory is derived the concept: errors are proportional to one over the square root of the sample size.

Safety Factors in Hydrology

Engineers are accustomed to using safety factors in the design of structures. In hydrology, safety factors have consisted of designing for "spillway design floods", "project design floods", "1,000-year storms", "probable maximum precipitation", and other bases for rationalizing the use of very rare storm

**Figure 5. RELATIONSHIP OF PERMISSIBLE
LEVEL OF RISK AND RETURN PERIOD**



events in design of flood protection structures. The fact that design storms are occasionally exceeded points out the need for an assessment of the risks of failure associated with selected return periods.

Frequency analysis defines the event which can be expected once every "Y" years, on the average. This does not imply that a "Y-year event" will occur regularly every "Y" years. Return periods, as well as flood magnitudes, are subject to analysis. For example, there is a two percent chance that a 50-year event will occur in any one year.

The 10,000-year event with a skew of 1.3 is defined as the mean plus 6.64 standard deviations, as shown on Table 2. The 10,000-year return periods based on 10 to 30 years of record will be considered to have low statistical reliability. However, their use in hydrologic studies has considerable utility and compensates for this disadvantage.

Since some hydraulic structures have design lives of 100 years and since a low level of risk, such as a one-in-a-hundred chance of failure, is desirable, the joint probabilities of the two events are calculated by multiplying, in this case, a one-in-a-hundred risk with a 100-year project life for a design return period of 10,000 years.

The permissible level of risk during the life of a project can be considered when a return period is selected. A project with a one-year useful life, for which a one percent chance of failure would constitute a permissible level of risk, would be designed for a return period of 100 years.

The relationship of permissible level of risk and return period is shown on Figure 5 for a broad range of project lives and return periods. The graph was prepared from a probability formula in *Hydrology for Engineers* (Linsley, Kohler, and Paulhus, 1958).¹² It indicates that there is a 10 percent chance of a once-in-460-year event occurring in the next 50 years. Permissible risk is discussed in a paper by Ben Chie Yen.¹³

Meteorological models of the precipitation mechanism have been based on three physical limitations:

- Moisture in the air over a basin
- Moisture carried into a basin by winds
- The fraction of the inflowing moisture that will precipitate

These variables, although difficult to measure directly, are commonly estimated for orographic and convective storm types. Models of the precipitation mechanism are frequently calibrated

by historical precipitation data. A good discussion of probable maximum precipitation was prepared in 1967 by Vance Myers of the U. S. Weather Bureau.¹⁴

Statistical models represent a direct approach to estimating PMP with a minimum amount of assumption. A comparison of these two approaches to PMP computing was made by Hershfield,¹⁰ who used the mean plus 15 standard deviations to estimate probable maximum precipitation. The value of 15 standard deviations was an upper enveloping value for extreme storms of record. The use of a given level of risk or a given number of standard deviations above the mean can be a management decision, when a relatively stable method of computing the means, standard deviations, and skew coefficients is available.

INTERSTATION INTERPOLATION

Development of a procedure to estimate extreme annual precipitation for various frequencies anywhere in California is an objective of this study. The approach used here is to plot maps of a dimensionless fraction of the mean annual precipitation that would occur with various return periods. Plates 4 through 10 show the extreme annual 24-hour precipitation for return periods of 10, 25, 50, 100, and 1,000 years, and the probable maximum precipitation. These maps are expressed in fractions of the mean annual precipitation. The mean annual precipitation map¹⁵ (Plate 3) is used for interpolation between stations.

Coefficient of Variation

The coefficient of variation (CV) is the standard deviation divided by the mean. It is used here to express the variation from the mean of extreme annual rainfall. CV is plotted as a continuous surface on Plate 11 and is also shown as averages for specific areas on Figure 2. These regional averages were used to develop the depth-duration-frequency tables in this report. The values of Figure 2 were visualized as a second generation estimate of CV, whereas the averages of Plate 11 are visualized as third generation values for use in a future computer-generated analysis of CV. The use of the values on Plate 11 should overcome the abrupt discontinuities evident in the adjacent zones of Figure 2.

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KEY TO STATION DESCRIPTIONS

Drainage Basin - Each of the 12 major drainage provinces is given a letter code and the hydrographic units within each are designated by a number code. These are shown on Plate 1.

Alpha Order Number - The alpha order numbers were originally assigned to each station to denote its alphabetic sequence. They are the same numbers used by the National Weather Service in the late 1950s. Alpha-numeric sequence numbers are now assigned by referring to the latest alpha listing of the historic weather station name list.

Subnumber - These numbers supplement the four-digit alpha order number and are used to maintain an alphabetical sequence of station names beyond the capability of the system used by the National Weather Service.

Station Name - When no obvious station name exists, a name must sometimes be devised for a weather station. Frequently this is the name of the nearest post office, followed by the distance and direction in miles and 16 compass points. For example, Canby 11 SW denotes a station located 11 miles southwest of the post office at Canby. When two observers are situated at a single location, the town name is sometimes followed by the name of the observer's location. An example of this: Stonyford Cooley Ranch, where Stonyford is the place name and Cooley Ranch is the observer's site. When two precipitation gages are situated at one site, one can be identified also with a number, such as Folsom No. 2.

The responsibility for selecting the station name rests with the agency or individual who establishes the station.

The space for station names is restricted by the computer to 25 columns; therefore, some abbreviations are necessary.

Some common ones are:

- AP - Airport
- PH - Power House
- STA - Station
- HMS - Highway Maintenance Station
- FS - Fire Station
- RS - Ranger Station

Elevation - The elevation of the ground surface at the gage is expressed to the nearest foot above mean sea level (USGS datum). The elevation is generally obtained by interpolation between the contours of USGS topographic maps.

Section, Township, and Range - The section, township, and range are based on the U. S. Public Land Survey, in which 6-mile-square townships are divided into 36 sections; these are further subdivided into 16 quarter-mile-square lots that contain roughly 40 acres. The township, range, and section used here are identical to those shown on the maps of the U. S. Geological Survey, with the official Department extension of the sectioning into unsurveyed areas.

40-Acre Tract - A letter code identifies the position of each tract within a section. The letters "I" and "O" have been omitted to avoid confusion with the numbers "1" and "0".

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

40-Acre
Tract

Base and Meridian - The code for this column is:

G - Gila and Salt River Base and Meridian
H - Humboldt Base and Meridian
M - Mount Diablo Base and Meridian
S - San Bernardino Base and Meridian
W - Willamette Base and Meridian

Latitude and Longitude - Latitude and longitude are given to the nearest second, when the value is known. The National Weather Service lists its stations by degree and minute only. A zero value or a blank space for seconds in these columns generally means that latitude and longitude have been obtained from the Weather Service and have not been verified in the field by personnel of the Department of Water Resources.

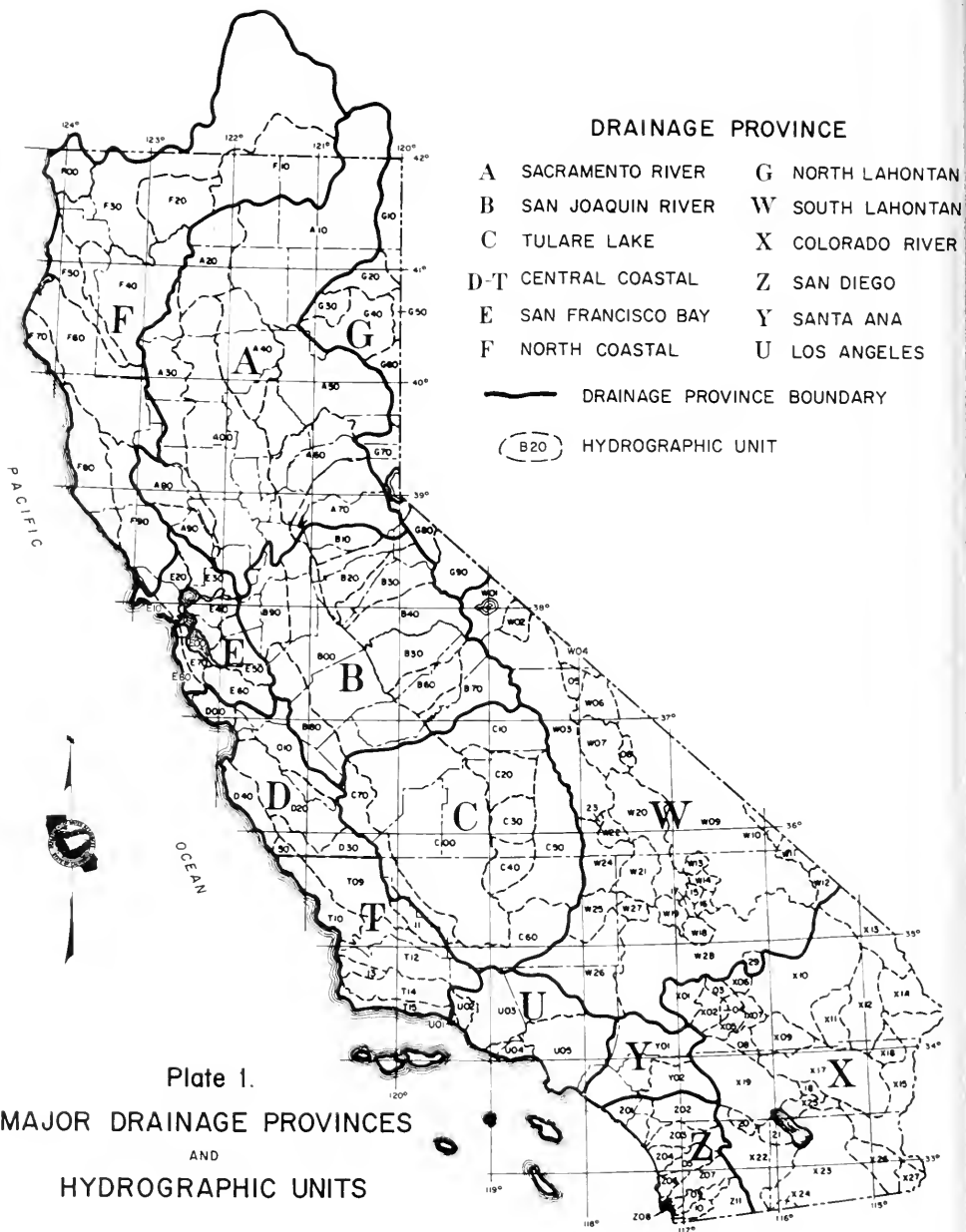
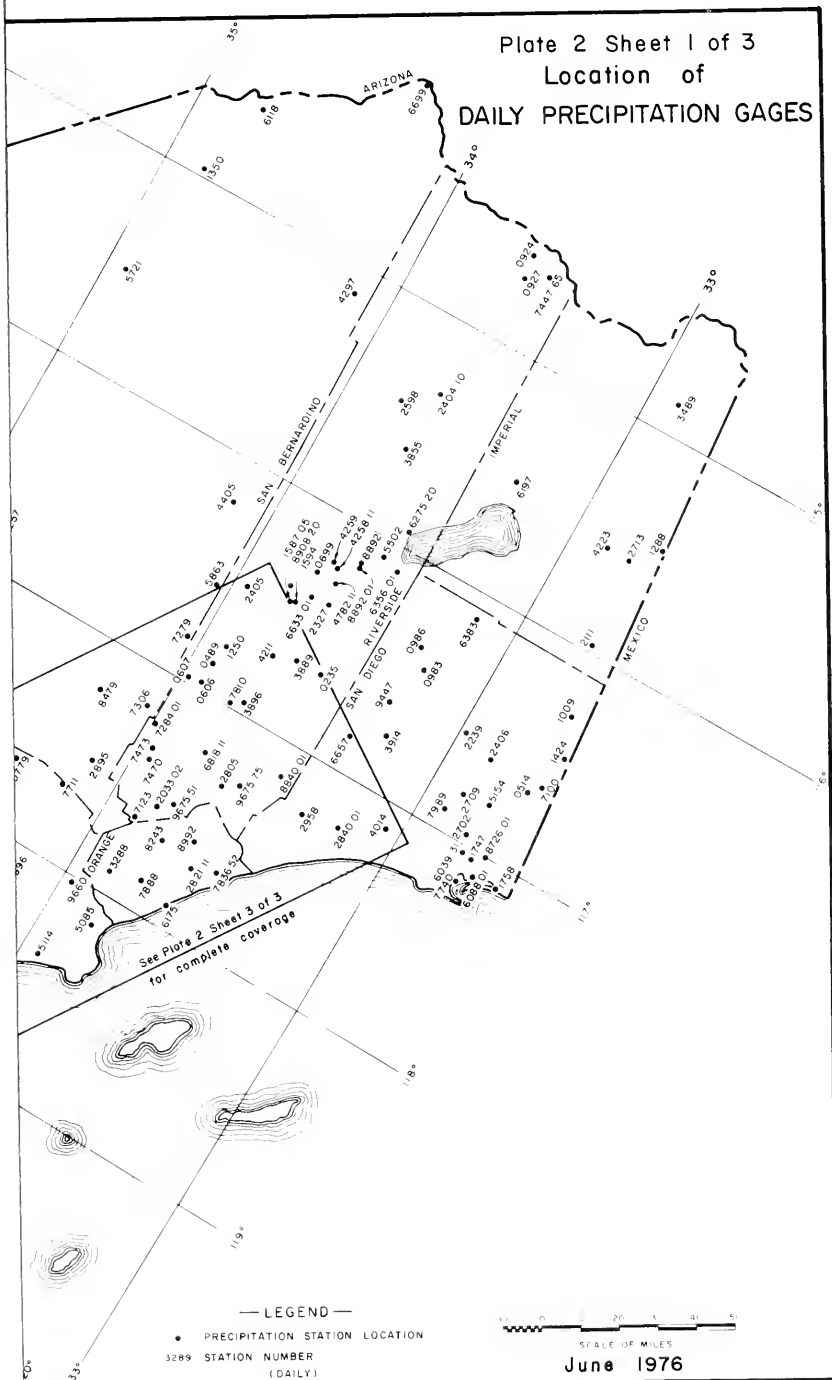


Plate 2 Sheet 1 of 3
Location of
DAILY PRECIPITATION GAGES



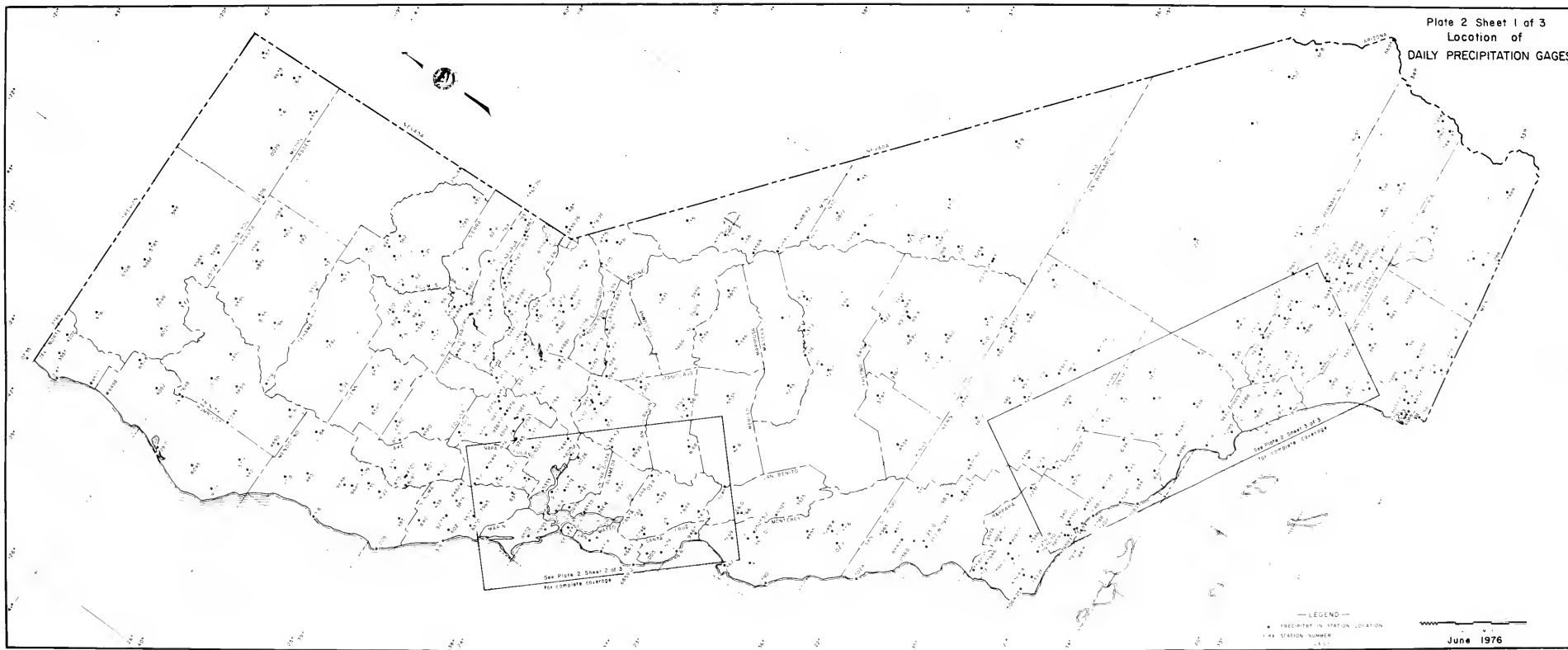
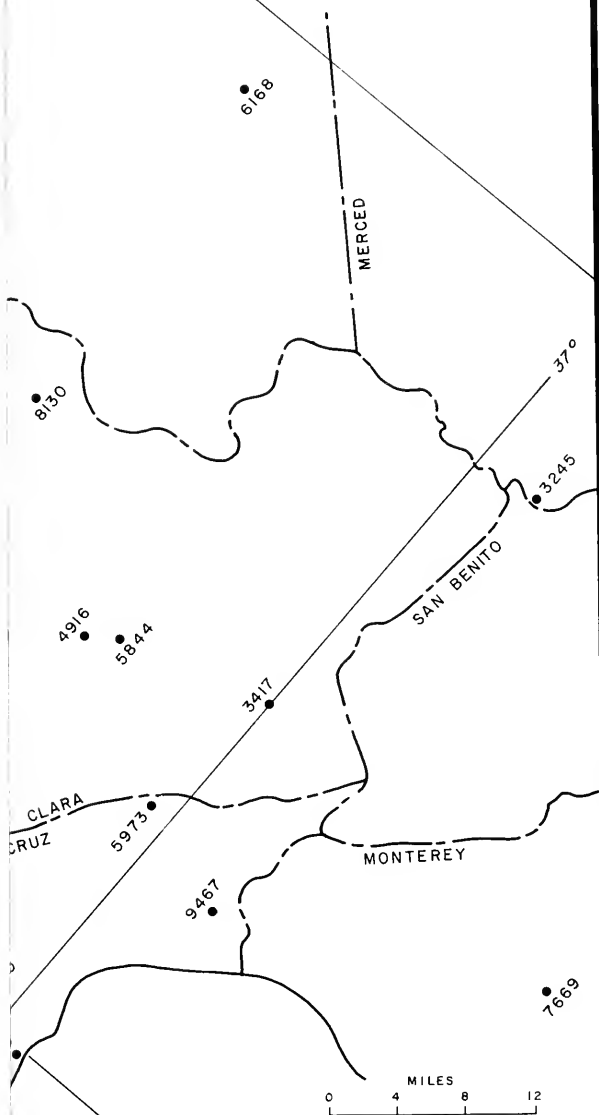


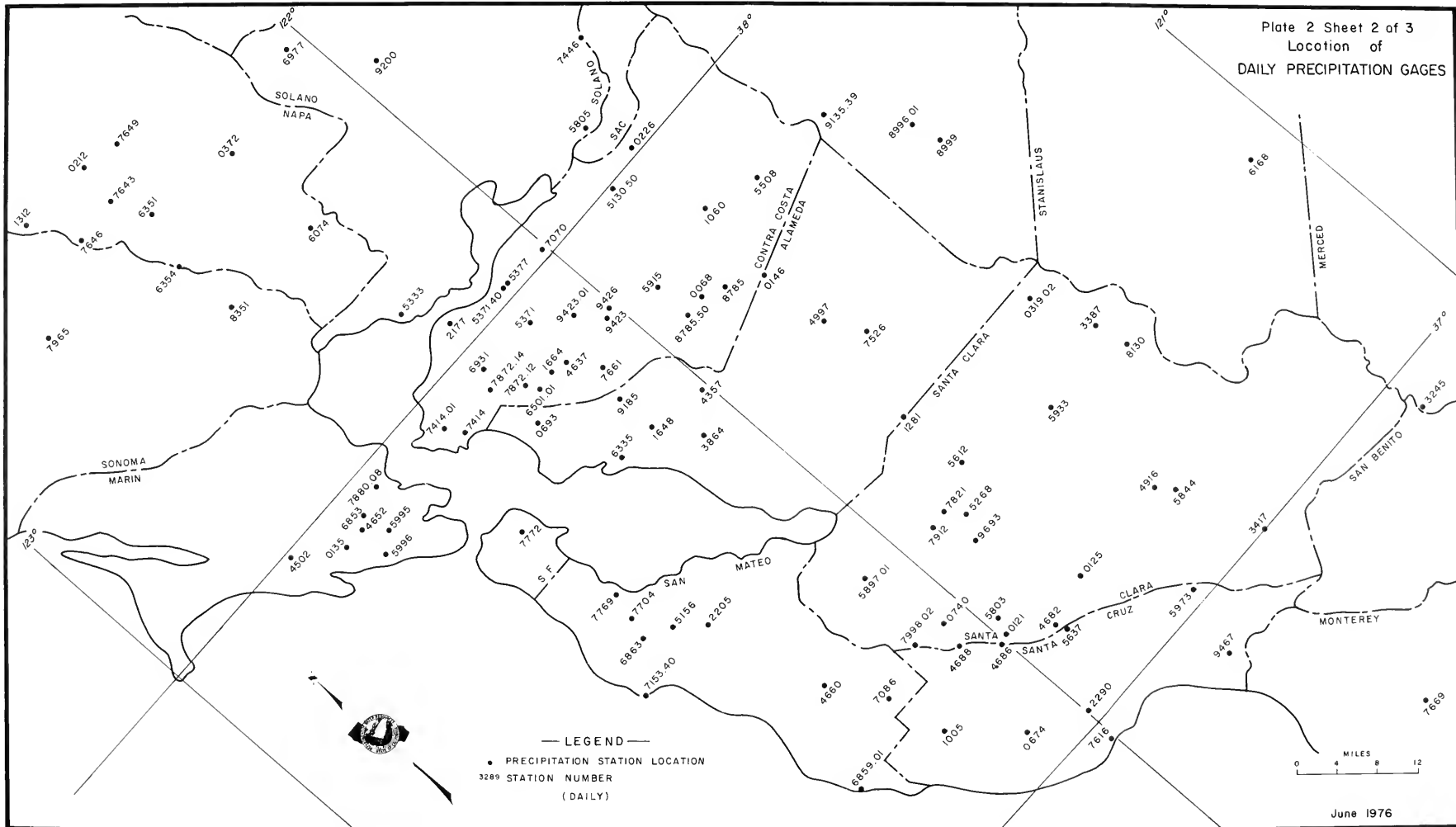


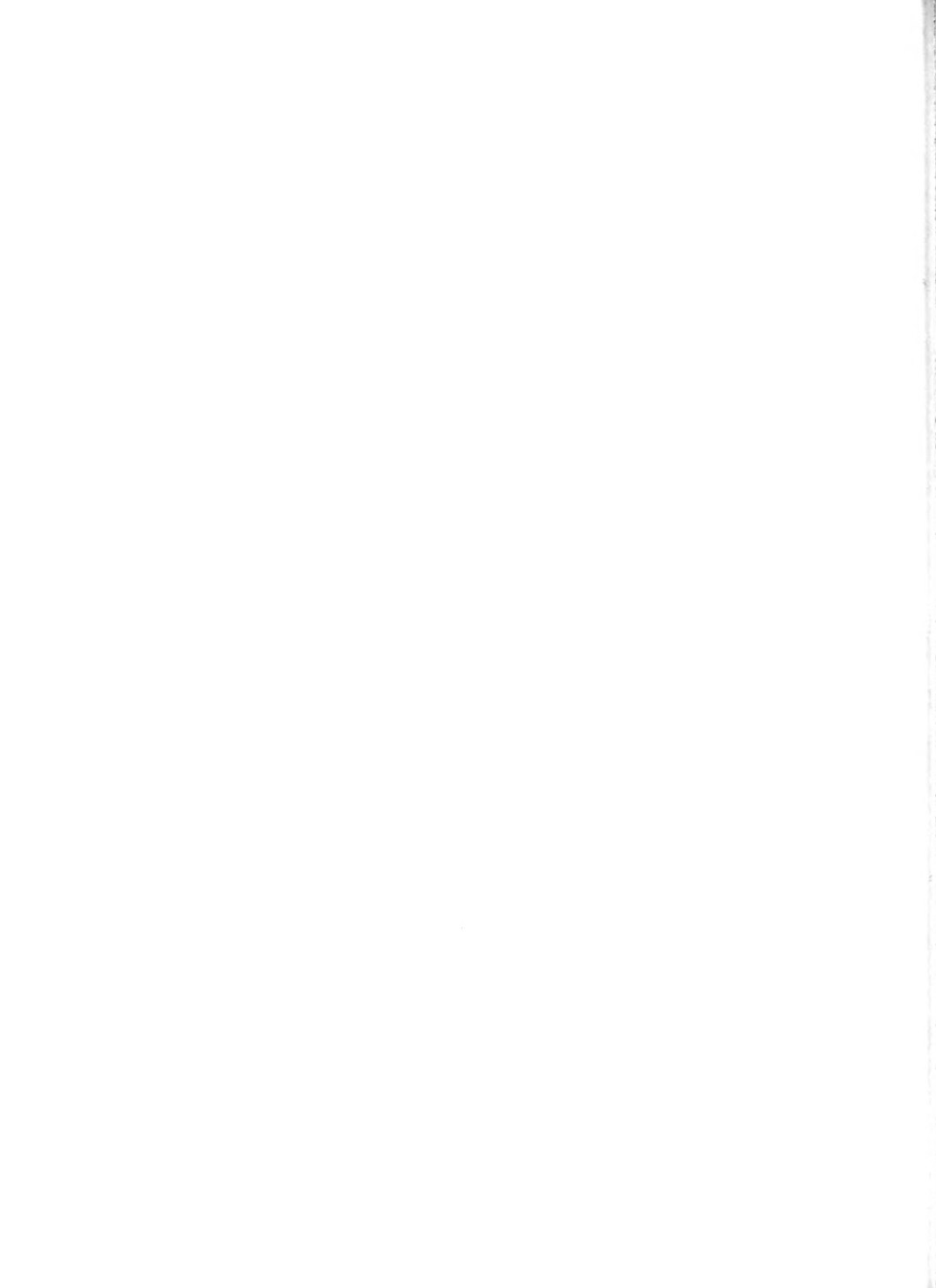
Plate 2 Sheet 2 of 3
Location of
DAILY PRECIPITATION GAGES

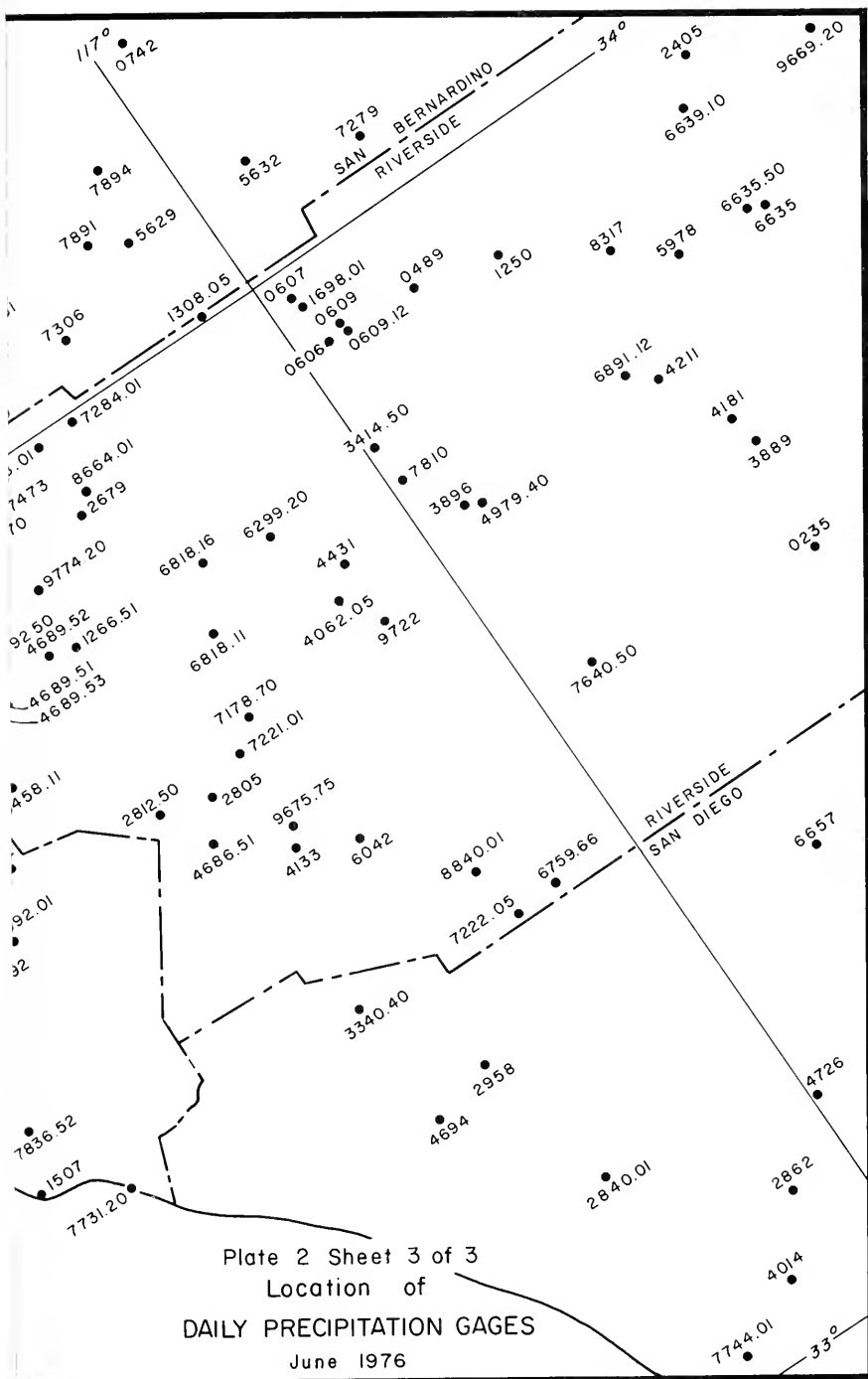


June 1976

Plate 2 Sheet 2 of 3
Location of
DAILY PRECIPITATION GAGES







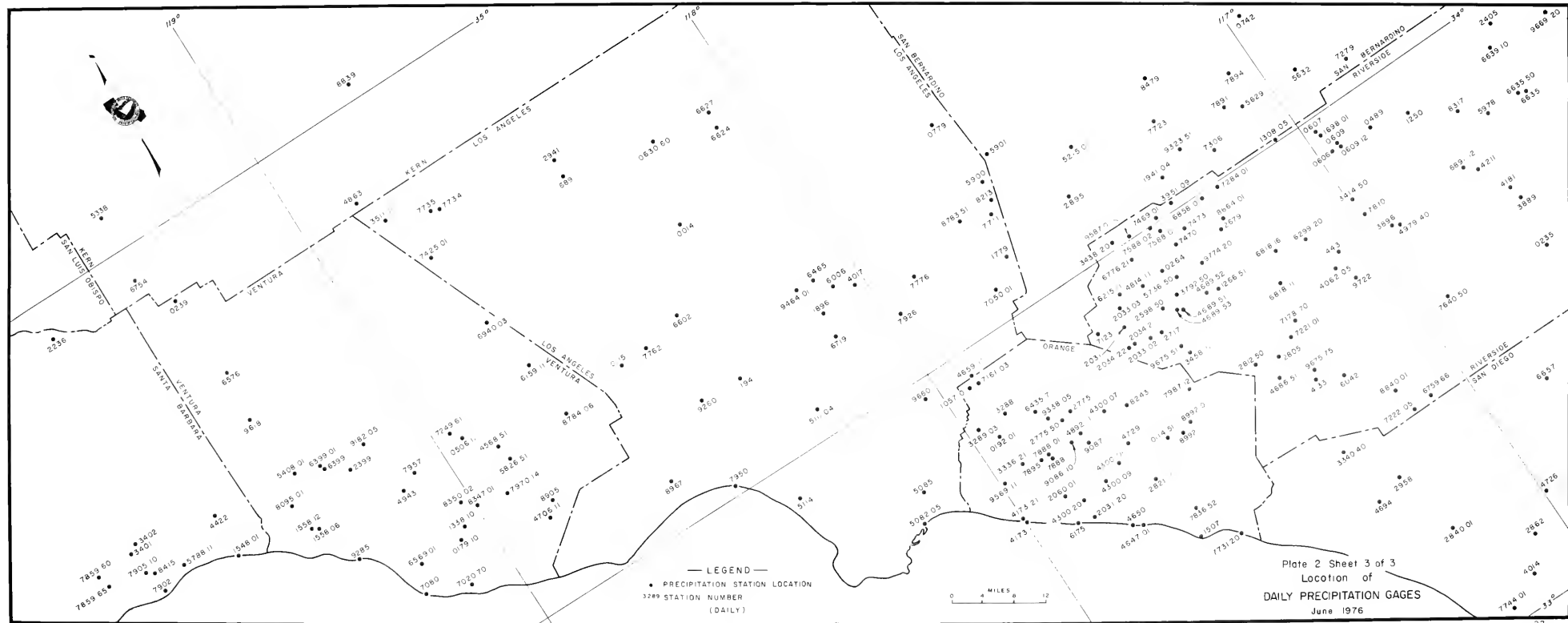
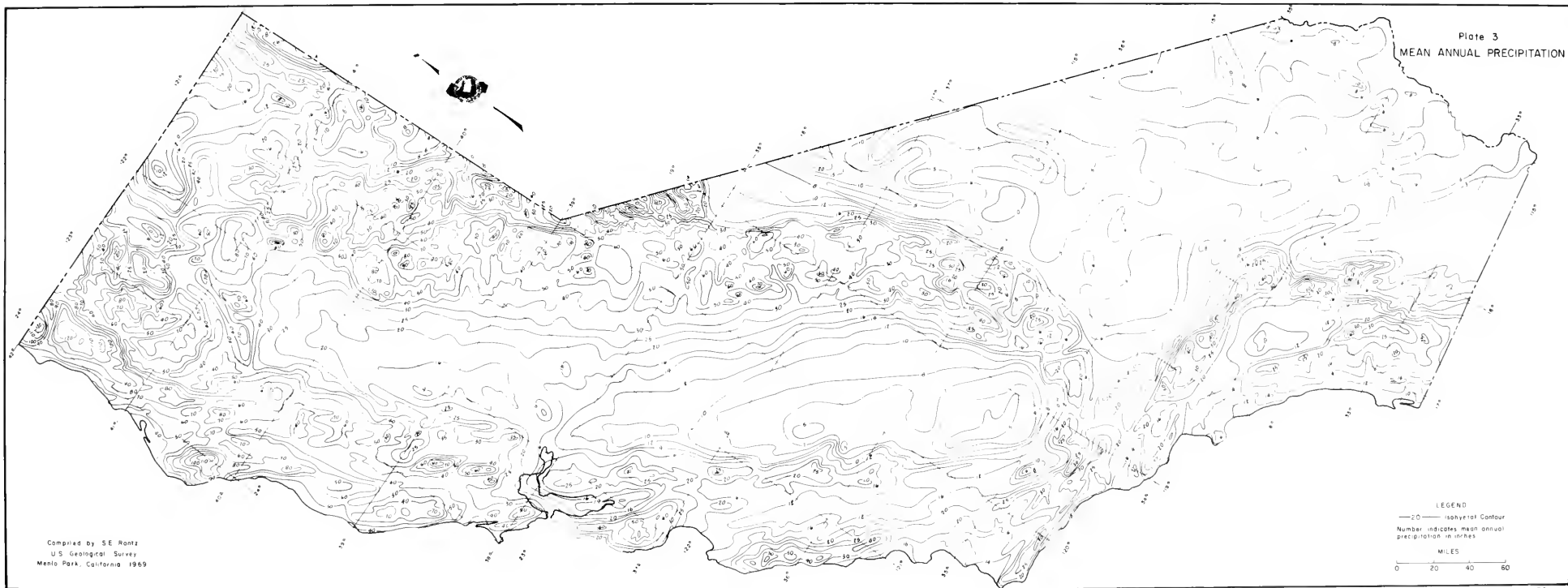


Plate 3
MEAN ANNUAL PRECIPITATION



Compiled by SE Rantz
U.S. Geological Survey
Menlo Park, California 1969

LEGEND
— 20 — isohyetal contour
Number indicates mean annual
precipitation in inches
MILES
0 20 40 60

Plate 4
MEAN 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

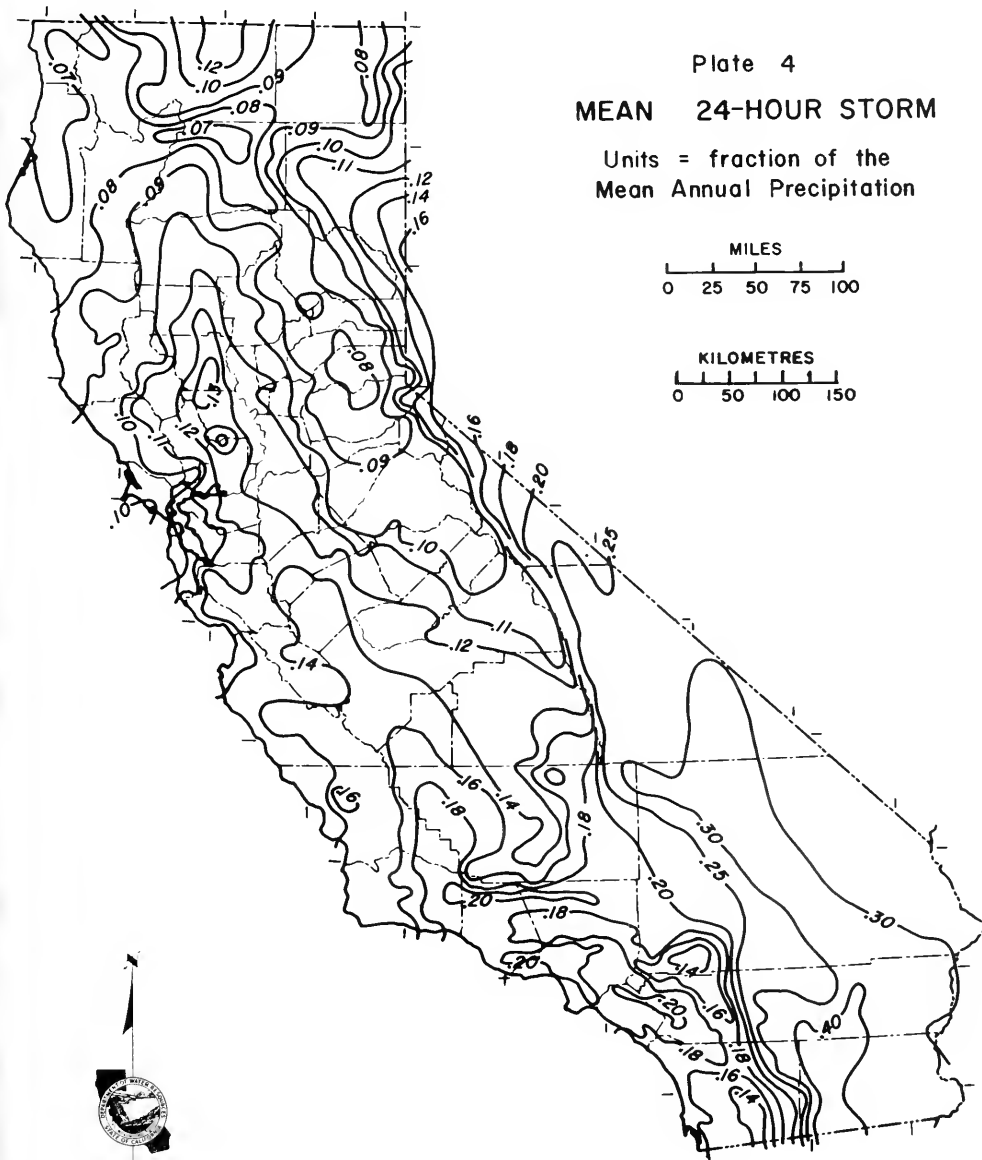
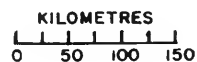
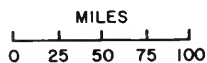


Plate 5
10-YEAR, 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

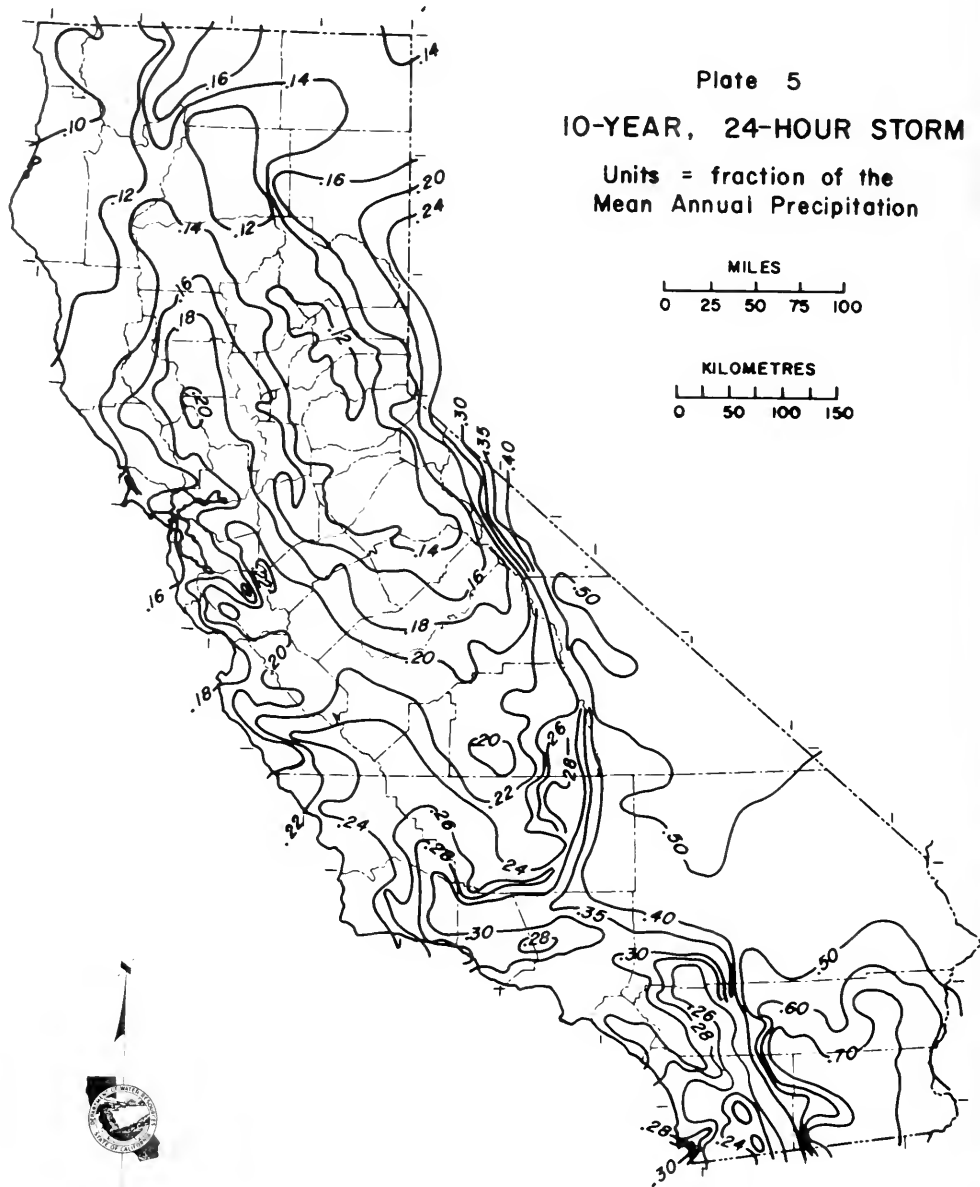


Plate 6
25-YEAR, 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

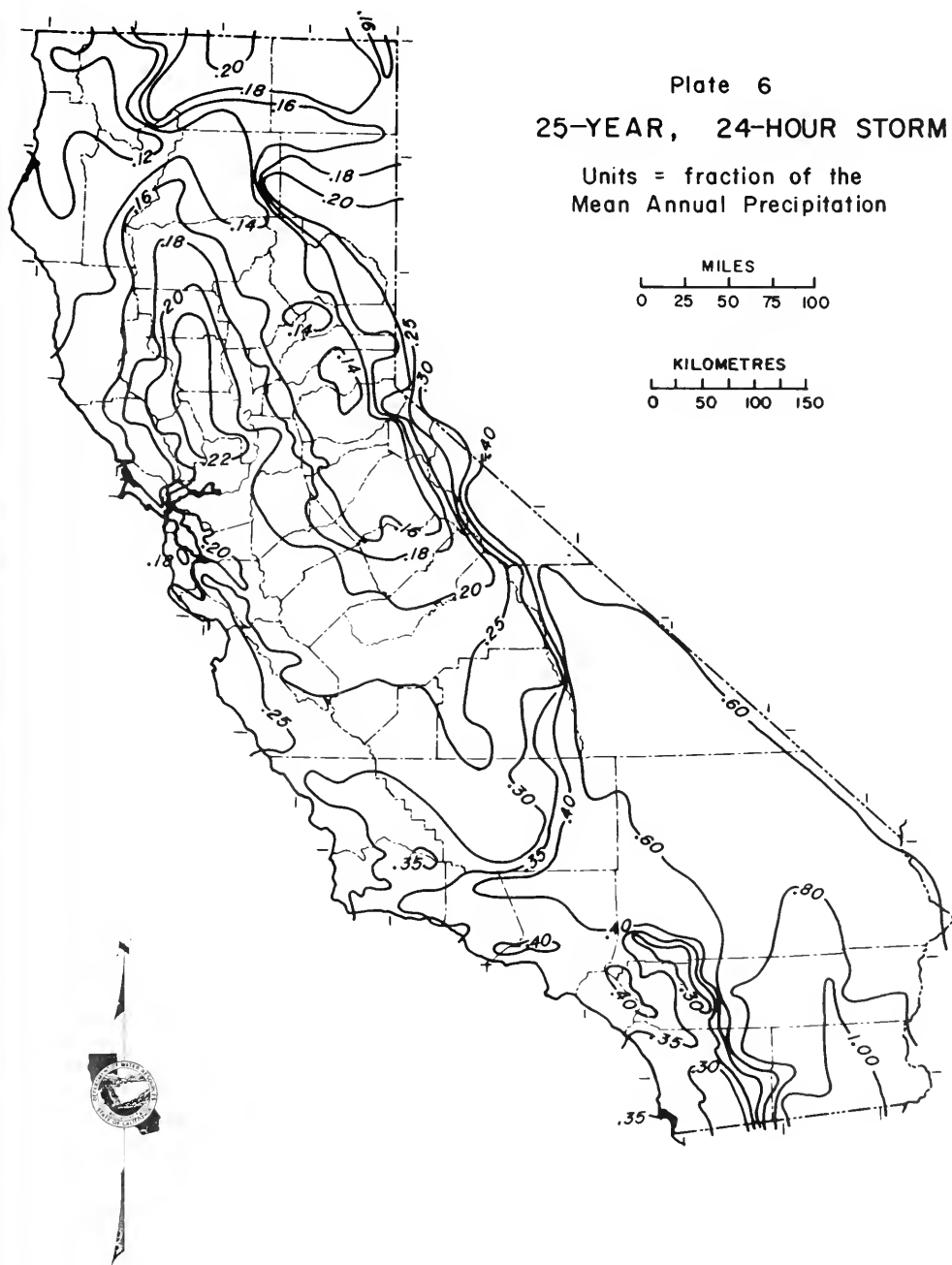


Plate 7
50-YEAR, 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

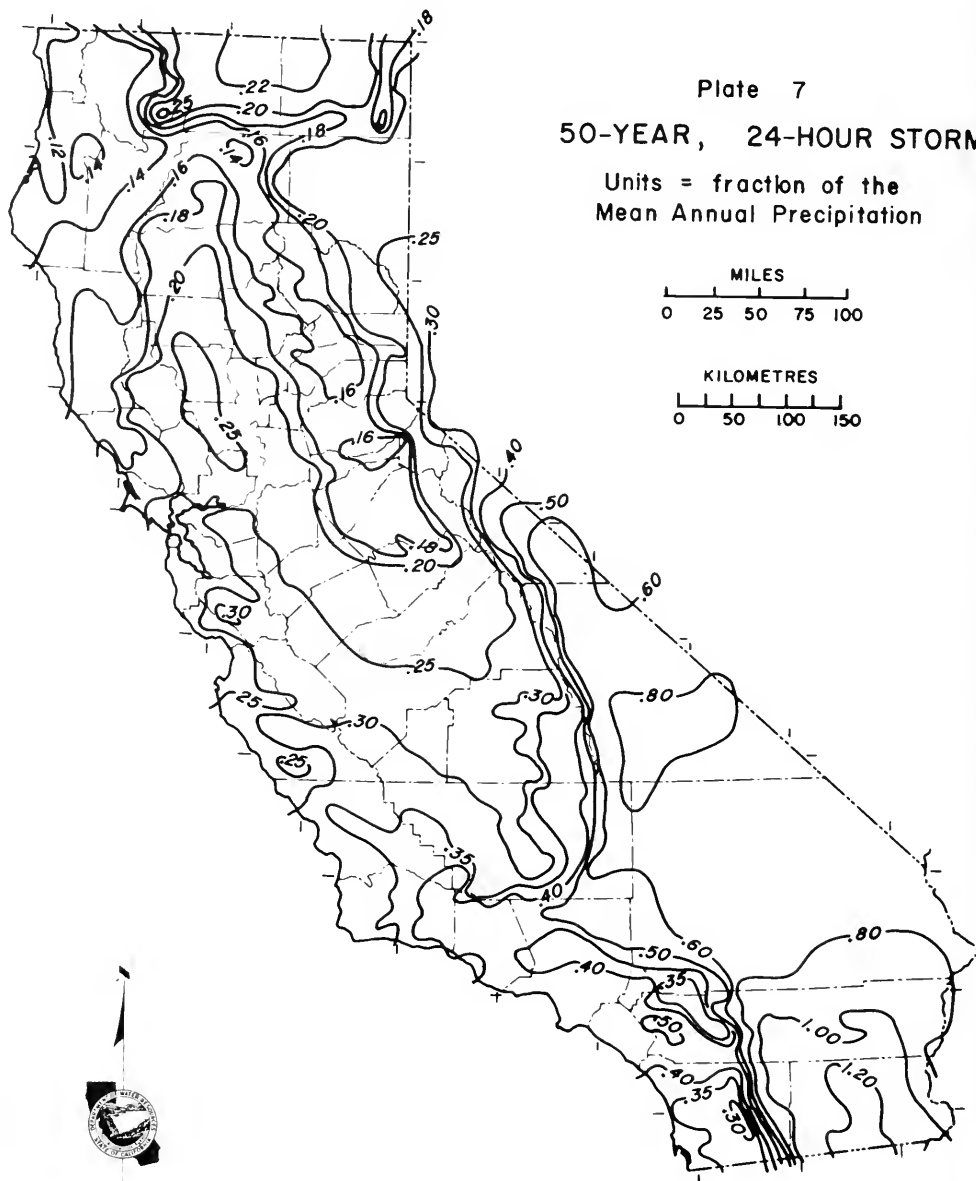
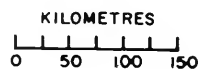
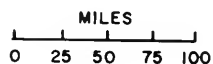


Plate 8
100-YEAR, 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

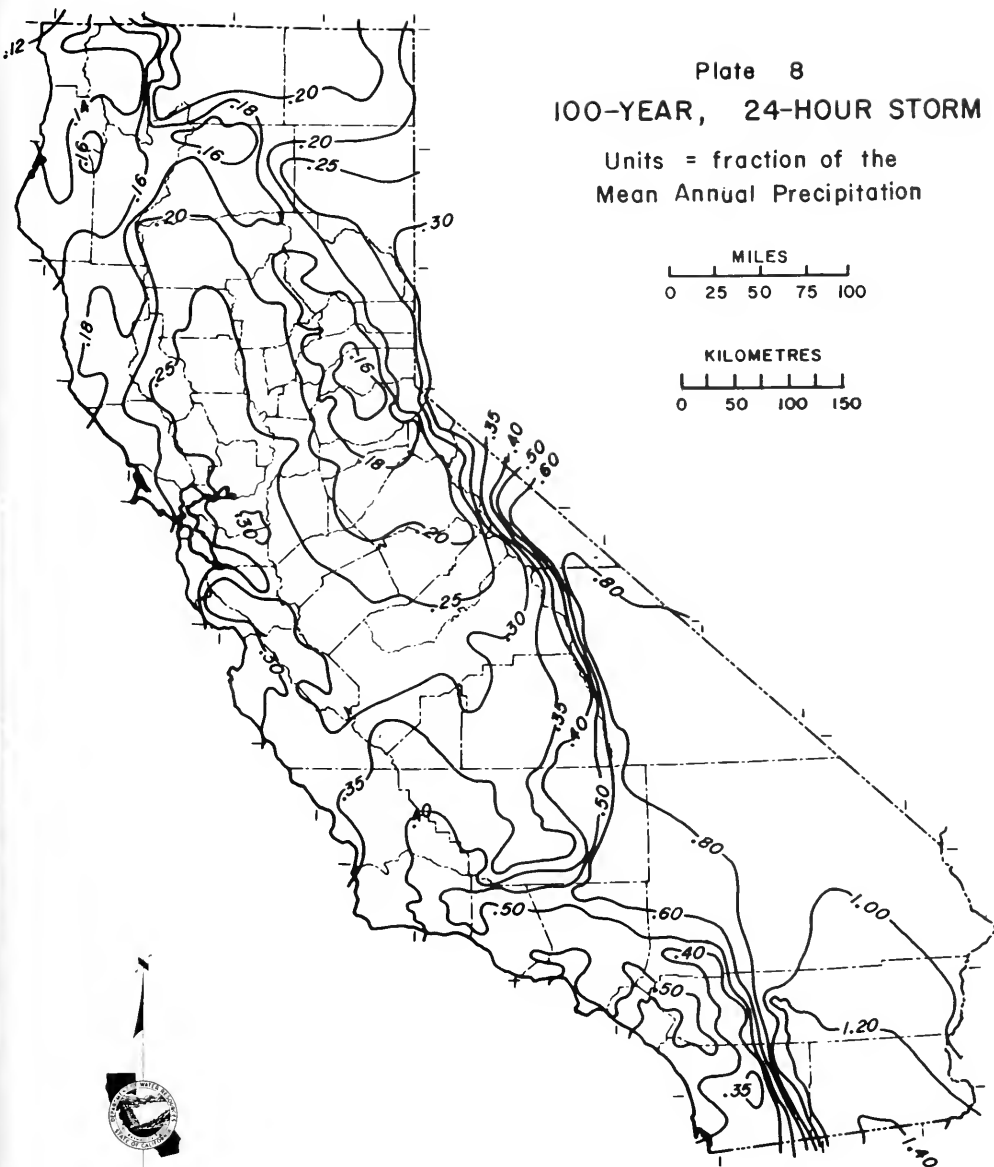


Plate 9
1000-YEAR, 24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

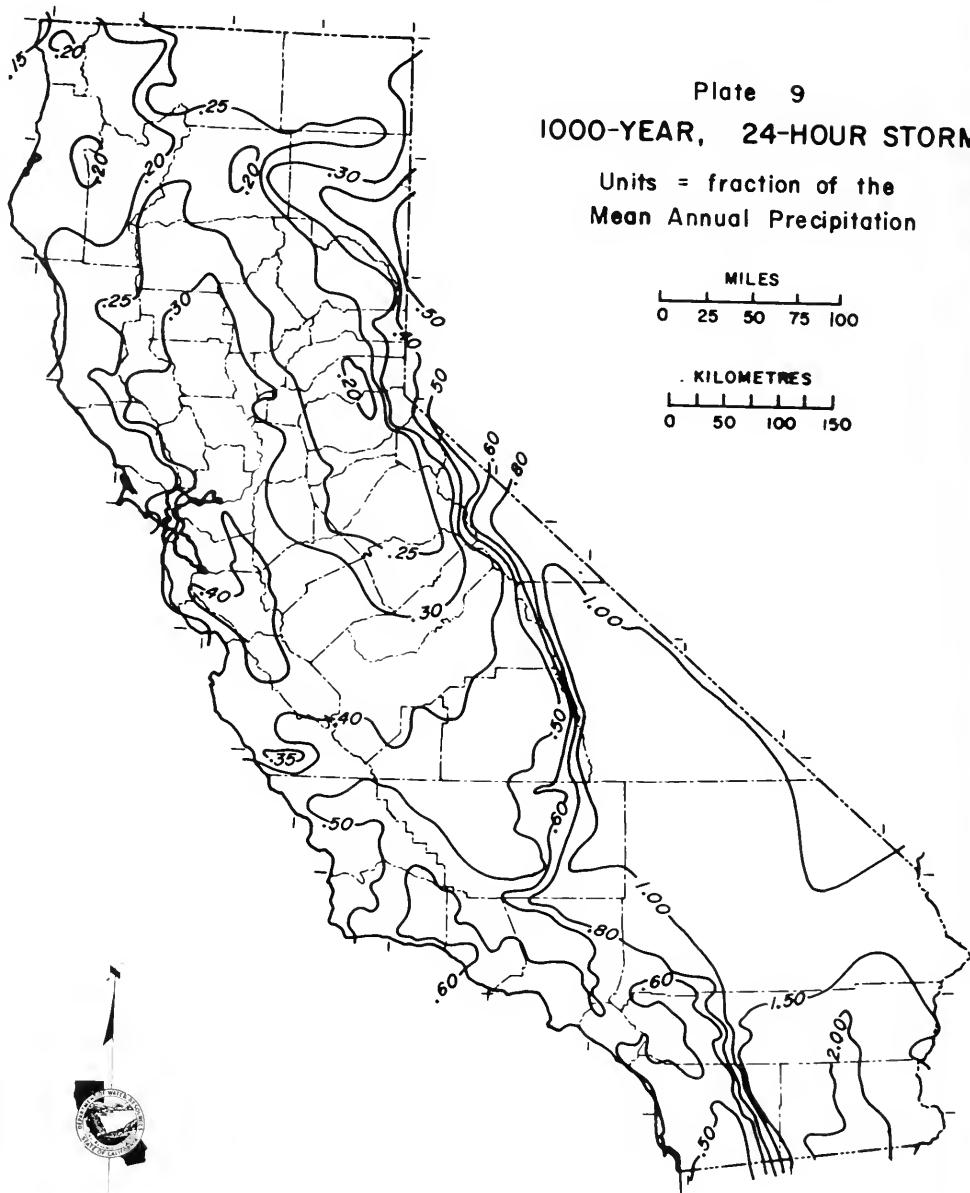
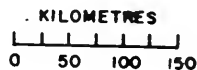
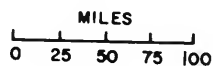


Plate 10
PROBABLE MAXIMUM PRECIPITATION,
24-HOUR STORM

Units = fraction of the
Mean Annual Precipitation

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150

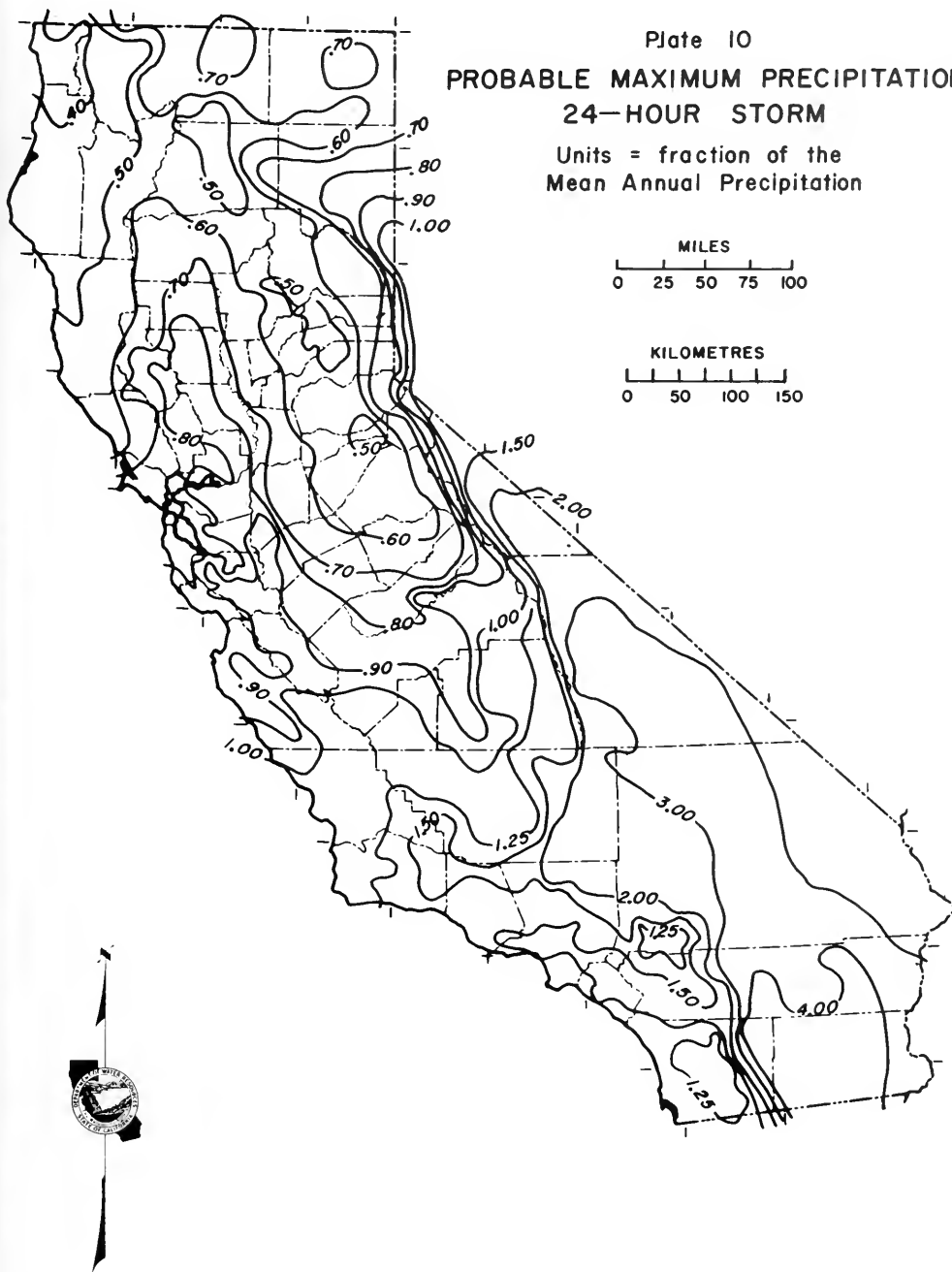
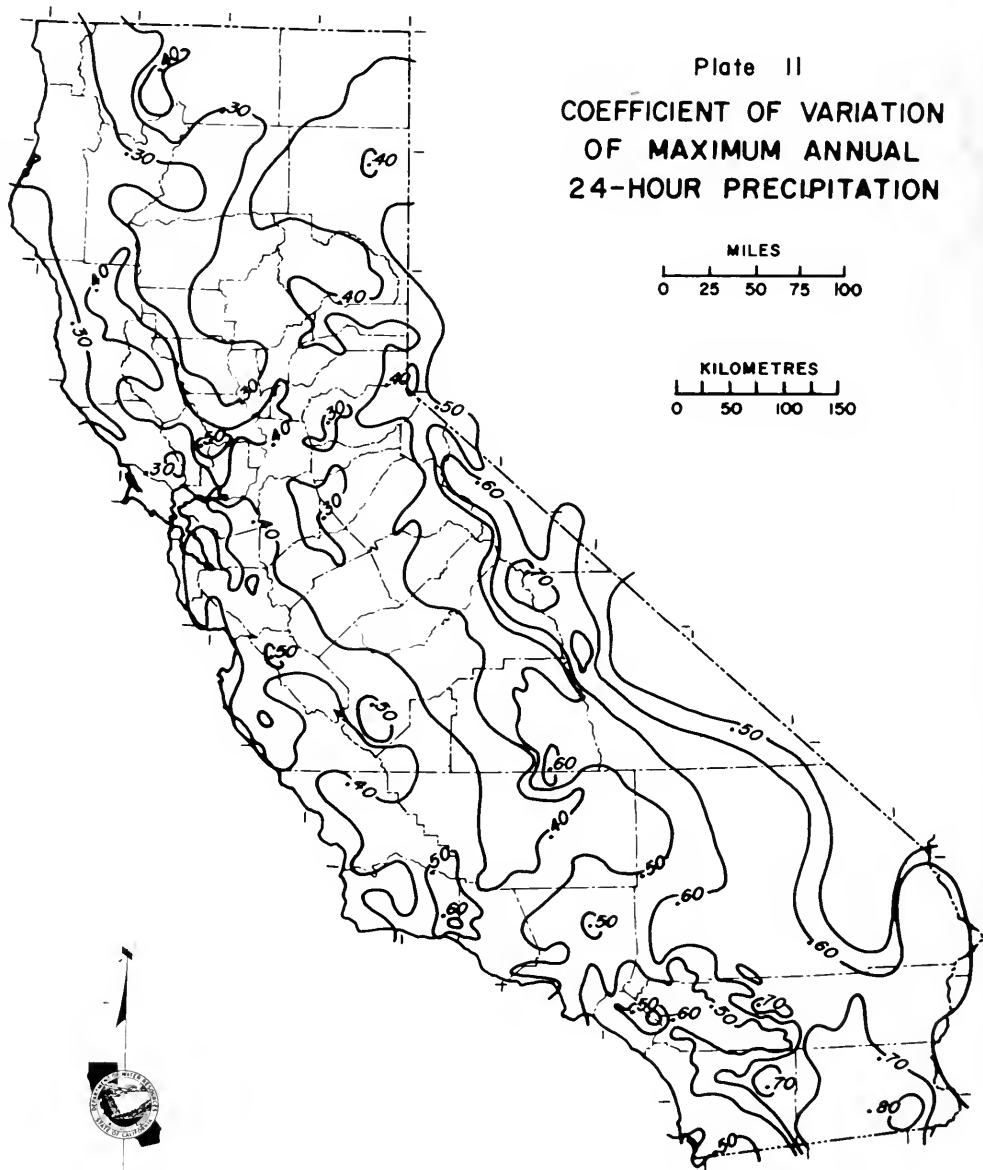


Plate II
COEFFICIENT OF VARIATION
OF MAXIMUM ANNUAL
24-HOUR PRECIPITATION

MILES
0 25 50 75 100

KILOMETRES
0 50 100 150



INDEX

Daily Rain Gage Stations by Alphabetic Order

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Acton Escondido Canyon	283	Big Sur State Park	163
Adin Ranger Station	64	Bishop A P	301
Alabama Hills	300	Blue Canyon AP	91
Alamo Creek	181	Blythe SDF	318
Aliso Canyon Cook 151	330	Blythe AP	318
Aliso Canyon Oat Mtn	284	Boca	241
Alma College	187	Borrego Desert Park	327
Almaden Reservoir SCFC	188	Borrego Springs Inne	328
Alpine Dam MMWD	230	Boulder Creek	151
Altamont	182	Bowman Dam	83
Alturas RS	65	Brea Union Oil	284
Alviso	188	Brentwood 6SW	126
American Crystal 3	270	Bridgeport Dam	246
Angwin Pacific Union Col	166	Brookings Oregon	210
Antioch	128	Brush Creek	76
Anza	365	Bucks Creek PH	76
Apache Camp	252	Bucks Lake PG&E	77
Arroyo Mocho	182	Bullards Bar PH	83
Ash Mountain	139	Burbank AP	285
Atascadero SLO 145	247	Cabazon	320
Atlas Road	166	Cain Ranch	299
Auberry	124	Calaveras Ranger Station	119
Auburn	90	Calaveras Res	183
Badger	140	Calexico 2 NE	329
Bakersfield	131	Caliente	147
Balch P H	139	California Hot Springs	142
Banning	320	Calistoga	167
Bardsdale Young Ranch	271	Callahan RS	213
Barstow	314	Camarillo-Hooker	271
Barrett Dam	378	Campbell Water Co	189
Bear River Head Dam	48	Campo	379
Beaumont	356	Camp Pardee	115
Beaumont Pump Plant	356	Camptonville RS	84
Beaumont 1E	330	Carson City	244
Bellevue-Stratman 722C	311	Canyon Dam	77
Ben Lomand	150	Capay 4W	98
Berkeley	183	Caribou PH	78
Betteravia SLO 387	253	Carpinteria HS 333	262
Big Bar Ranger Station	218	Casitas Dam	263
Big Basin Way SJWW	189	Casitas Ranch 4	266
Big Bear Lake Dam	331	Cat Canyon DF-Union Oil C	253
Big Bend RS	82	Cathedral City SDF	321
Big Creek Power House 1	124	Cazadero	230
Big Pine PH 3	301	Cecilville 5 SE	215
Big Pines Park	314	Cedarville	238

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Centerville PH	73	Death Valley	308
Chabot Res	170	Deep Springs College	307
Challenge RS	84	Deer Creek PH	85
Charles Hill Manor	171	Delano	132
Chase & Taylor	334	Del Monte	159
Chester	78	Denair 3	103
Chico Exp Sta	48	Dennison Ranch 64	267
China Flat	219	De Sabla	73
Cholame Hatch Ranch	247	Desert Hot Springs	321
Chollas Res	374	Descanso RS	377
Chualar-Jacks Ranch	158	Dixon	129
Chula Vista	376	Dobbins Colgate	86
Cienega	153	Donner Mem St. Park	241
Citrus Heights	49	Downieville RS	86
Claremont Pomona College	331	Doyle	240
Clarksburg	128	Drake Ranch	159
Clear Lake Park	98	Drum Forebay	87
Clements	103	Dudleys	122
Cloverdale 3 SSE	231	Dunsmuir	68
Cloverdale 11W	231	Eagle Mountain Pump	319
Clovis	132	Early Intake	120
Colbys FC 530	285	East Park Reservoir	71
Colfax	91	El Cajon SDG&E	372
Colgate PH	85	El Capitan Dam	373
Colman Fish Hatchery	49	El Dorado Power House	92
Colton SPRR	332	Electra PH	116
Corona	332	Elk Valley	211
Corona South	333	El Modena	335
Corona SDF	333	Elsinore	357
Cottonwood Creek	302	El Toro-Moulton Ranch	361
Cottonwood Gates	302	E Reservoir	369
Covello Eel Riv RS	222	Escondido 1	370
Cox Ave SJWW	190	Etiwanda	336
Coyote Reservoir	190	Etna	214
Crane Valley Power House	125	Eugene Stuart Ranch	104
Crescent City 1N	210	Eureka WB	223
Crockett	171	Evergreen	191
Crystal SP Cottage	205	Fairmont Res	312
Cummings	223	Fallbrook	368
Cupertino	191	Fall River Mills Intake	66
Cuyama	254	Fiddletown Lynch Rch	113
Cuyamaca	372	Figueroa Mtn	257
Daggett AP	315	Fillmore Rancho	276
Dan Best Ranch	50	Folsom	92
Davenport	151	Forest Hill RS	93
Davis 2WSW	50	Fort Bidwell	238
Davis 2NNW	51	Fort Bragg	228
Day	65	Fort Ross	228

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
French Ranch	153	Hemet Reservoir	358
Fresno AP	133	Henshaw Dam	368
Friant Govt Camp	125	Hernandez 2NW	154
Fullerton AP	286	Hetch Hetchy	121
Fullerton Hillcrest RE	286	Hidden Valley	88
Galt	104	Hobergs	99
Garberville	224	Hodges Res	371
Garden Grove Co Yard	336	Hoeegees	287
Garrod Ranch	192	Hoopa	220
Gasquet Ranger Station	211	Hopland 8NE	99
Gem Lake	299	Huntington Beach	337
Georgetown	93	Huntington Beach CO	338
Georgetown RS	94	Huntington Lake	126
Gerber Ranch	184	Idlewild	212
Giant Forest	140	Idyllwild Fire Station	359
Gibraltar Dam	258	Independence	304
Gibraltar Dam 2	258	Indian Rock	88
Gilman Hot Springs	357	Indio	322
Gilroy	154	Indio SFD	322
Gilroy 9 WNW	192	Inyokern	309
Glacier Lodge	303	Inyokern Arm	310
Glen Ivy	337	Ione	105
Glenbrook Nev	242	Iowa Hill	94
Glendora West 85	287	Iron Mtn	316
Glennville Fulton RS	143	Irvine Co Automatic	338
Gonzales SPRR	160	Irvine-Limestone	339
Gorman Dewey 298	272	Irvine Co Shady Camp	339
Granton	232	Irvine Co Salt Works	340
Grass Valley	87	Jensen Ranch	172
Greenville RS	79	Jess Valley	67
Groveland	120	Juncal Dam	259
Groveland Ranger Station	121	Kee Ranch	316
Guadalupe P I C 352	254	Keene FS	148
Guadalupe Reservoir	193	Kellogg	233
Haiwee	309	Kent Lake M M U D	233
Haiwee Reservoir	303	Kern Canyon PH PG&E	144
Half Moon Bay	208	Kern Riv Intake 3 SCE	144
Hammonton	51	Kern Riv PH No. 1	145
Hanford	133	Kern River P H 3	145
Happy Camp	216	Kernville	146
Harrison Gulch	71	Kettleman City	134
Hat Creek PH No 1	67	Kettleman Station	134
Hat Creek RS	66	Kilarc Powerhouse	74
Hayward High School	172	King City	160
Hayfield Pump	319	Kingston Reservoir 122	267
Hayfork Ranger Station	219	Klamath	216
Healdsburg	232	Knights Landing	52
Hemet	358	Kyburz-Strawberry	95

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Lafayette Reservoir	173	Los Medianos Tank Farm	127
La Finca Orchard	52	Loveland Res	377
Laguna Beach Hardware	362	Lower Crystal Springs	206
Laguna Beach	362	Lytle Creek PH	341
Lagunitas Lake MMUD	234	Madeline HMS	239
La Habra	288	Madera	107
La Honda	209	Mad River Ranger Station	221
Lake City	239	Magunden	135
Lake Elzman SJWW	193	Main Station SJWW	196
Lake Kittredge SJWW	194	Mammoth	305
Lake McKenzie SF	194	Manzanita Lake	74
Lake Mountain	224	Mare Island-Navy Yard	167
Lakeport 2NW	100	Maricopa	150
Lake Sherwood	282	Mariposa	123
Lake Spaulding	89	Markleville	245
Lake Wilenor	79	Marshall Ranch	108
Lake Wohlford	370	Martinez 3 S	173
Lambert Res Automatic	340	Martinez Corps Yard	174
La Mesa	375	Martinez Fire Station	174
La Quinta SDF	323	Marysville	53
Las Plumas	80	Matilija	268
Laytonville	225	Medford MWS Oregon	212
Lebec	148	McCloud	69
Leesville Keegan	100	Meganos Pump	127
Lehman Ranch	114	Merced 2	108
Lemon Cove	141	Miguelito Ave Sta SJWW	197
Lemon Hgts Springer	341	Miguelito Canyon 430	263
Leroy Anderson Dam SCFC	195	Mill Creek 2	342
Lexington Reservoir	195	Mill Creek Intake	342
Limoniera Ranch	272	Millberry	197
Lincoln Austin	53	Milpitas	198
Lindsay	135	Minden Nevada	245
Linn Ranch SLO 45	248	Mineral	75
Livermore	184	Miranda Spengler Rch	225
Lockeford	105	Mockingbird Reservoir	359
Lockeford 2N	163	Modesto	109
Lodi	106	Mojave	312
Lodi 4NNE Devinny	106	Mokelumne Hill	116
Lompoc Burpee Seed Co	259	Mono Lake	300
Lompoc J M 375	260	Montague 3 NE	214
Lone Pine	304	Montecito WCO 325	264
Long Beach 224	288	Montevina Road Res SJWW	198
Long Beach	289	Montezuma Hills	54
Long Valley Res	305	Montpelier	109
Los Alamos 351	257	Moorpark LSSE - 141	273
Los Angeles Ducommun 716	289	Morgan Hill 2E	199
Los Angeles WB	290	Morongo Valley	323
Los Banos	107	Mountain View	199
Los Gatos Res SJWW	196	Mt Baldy FC 85	343

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Mount Danaher	95	Palomar Mtn OBS	366
Mt Diablo North Gate	175	Paradise Valley	156
Mount Hamilton	185	Parker Reservoir	317
Mt Hebron RS	213	Pasadena 610B	292
Mount Madonna .	155	Paskenta R S	56
Mt Madona County Park	155	Paso Robles	248
Mt Shasta City	69	Pattiway	149
Mt Tamalpais 1S	164	Pauba Ranch	366
Mt Wilson	290	Peabody Ranch	157
Murray Dam	373	Pedley SDF	345
Murrieta SCF	365	Perris SDF	345
Napa State Hospital	168	Phoenix Lake MMUD	235
National City	375	Pigeon Point L H	152
Needles	317	Pilarcitos	206
Nevada City	89	Pine Canyon Pat Sta	274
Newhall Ranch-Piru-25	273	Pinecrest Strawberry	119
Newman	110	Pinnacles N M	161
Newport Beach Harbor	343	Pinole Creek	176
Nicolas	54	Piru Canyon VC172	275
Niland	329	Pit River Power House	68
North Haiwee Res	306	Placerville	96
Oak Knoll Ranger Station	217	Plainfield Heinz	56
Oakland NWS	175	Plainfield LNNW	57
Oakville LWNW	168	Pleasants Valley	102
Oakville 4SW	169	Plymouth	114
Occidental	234	Point Arena	229
Ocotillo Wells	328	Point Mugu	275
Ojai	268	Point Piedras Blancas	251
Ojai Mallory	269	Pomona	346
Olive Heights	344	Port Chicago N A D	177
Onyx 2	146	Porterville	136
Opid's Camp FC57	291	Port Hueneme 17	276
Ono Palmdale AP	313	Portola	80
Orange	344	Portola State Park	209
Orange Cove	126	Potrero	379
Orick Praire Creek Park	222	Potter Valley Power House	235
Orinda Filters	176	Prado Dam	346
Orland	55	Puente Hills-Weisel	292
Orleans	217	Quincy RS	81
Oroville Bridge	55	Rancho San Julian	260
Oxnard 32	274	Rancho San Lucas	161
Ozena	255	Randsburg	311
Pacific House	96	Raymond Flat	325
Pacoima Dam FC 33	291	Reche Canyon	347
Paicines Ohrwall Rch	156	Red Bluff Airport	57
Palmdale	313	Redding FS2	58
Palm Desert SDF	324	Redlands	347
Palm Springs FD No. 1	325	Redwood Valley	236
Palm Springs Fire Dept	324	Reno Nev	242

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Represa	97	San Rafael	165
Richmond	177	Santa Ana Fire Station	350
Richmond Corp Yard	178	Santa Ana	351
Ridge Route FC 409	277	Santa Ana PH3	351
Rio Vista	129	Santa Ana River PH1	352
RVSD Co Flood Cont	348	Santa Barbara	265
Riverside Fire Station 3	348	Santa Barbara Botanic GDN	261
Riverside	349	Santa Clara University	201
Rock Creek	306	Santa Cruz	152
Rocklin	58	Santa Fe Dam	295
Rocky Ridge	185	Santa Margarita 2SW	249
Rumsey 1NW	101	Santa Margarita SP	249
Sacramento City NWS	59	Santa Margarita BSTR	250
Sagehen Creek	243	Santa Maria AP	255
St Helena	169	Santa Monica 634	295
St Helena 4SW	170	Santa Paula	278
St Helena 7NE	102	Santa Rosa	236
Salinas	162	Santa Rosa Valley	279
Salt Springs PH	117	Santa Ynez	261
Salyer Ranger Station	220	Santa Ynez Fire Station	262
San Andreas Lake	207	San Vicente	374
San Antonio Canyon	349	Saratoga Gap	201
San Ardo	162	Saratoga	202
San Benito	157	Sawtelle	296
San Bernardino	350	Sawyers Bar	218
San Clemente Dam	164	Scotia	226
San Clemente Police	363	Searsville Lake	202
Sandburg Pat Sta	277	Selby Santa Ana VLY 44	269
Sandburg WB	278	Seven Mile Reservoir SJWW	203
San Diego AP	376	Shanti Ashrama	186
San Dieguito Res	371	Shasta Dam	70
San Dimas Dam	293	Sierra Madre Dam	296
San Fernando	293	Sierra Power House	352
San Fernando P H 3	294	Sierraville RS	81
San Francisco Airport	207	Silverado	353
San Francisco FOB	208	Simmler Maint Sta	251
San Gabriel Canyon P H	294	Sisquoc Ranch	256
San Jacinto	360	Sly Park	115
San Jacinto Reservoir	360	Snow Creek Upper	326
San Jacinto SDF	361	Snow Ranch	110
San Jose	200	Somis Snyder Ranch-54	279
San Jose Decid Fruit Sta	200	Somis Aggen Rch	280
San Juan Capistrano SDG&E	363	Sonoma	165
San Marcos Pass Tenney	264	Sonora	122
San Marcos Pass Trout CLB	265	South Belridge	137
San Martin	158	South Haiwee Res	310
San Pablo Patrol House	178	South Portal 231	266
San Pablo Res	179	Springville RS	143

INDEX (Continued)

<u>Station</u>	<u>Page</u>	<u>Station</u>	<u>Page</u>
Squirrel Inn	315	Venado	237
Stanford University	203	Ventura	270
Stevens Creek Reservoir	204	Victoria-Loma Linda	354
Stockton FS 4	111	Villa Pk-Orchard	354
Stonyford Cooley Rch	72	Vinton	82
Stony Gorge Reservoir	72	Visalia	138
Strawberry Valley	90	Vollmers	70
Sunnyvale	204	Volta Power House	75
Susanville Airport	240	Wallace	112
Sutter Hill RS	117	Walnut Creek 2 ESE	180
Sweetwater Res	378	Walnut Creek Pumping Plt	180
Tahoe City	243	Walnut Creek 2 ENE	181
Tanbark Flats USFS	297	Warner Springs	369
Tapo Water Co Simi	280	Wasco	138
Tassajara Creek	186	Waterman Gd Sta	298
Tassajara Wood Ranch	187	Weaverville	221
Tehachapi	149	Werner Ranch	60
Tejon Rancho	137	West Point	118
Temecula SDF	367	West Riverside SDF	355
Temescal Wtr Co.	335	Wheatland 2NE	60
Templeton	250	Wheatland Calpac	61
Tepusquet Cyn	256	Wheeler SP 7 N	282
Thermal AP	326	White Mountain 2	307
Thermal Airport SDF	327	White Rock	112
Thousand Oaks 128	281	Whittier City Hall FC106	298
Three Rivers PH1	142	Wild Rose Ranch	355
Three Rivers PH2	141	Wildomar	367
Tiger Creek PH	118	Willits Howard R S	226
Topanga Pat Sta FC6	283	Willits	227
Trabuco Canyon 133	364	Willow Glen	205
Trabuco Canyon	364	Willows	61
Tracy SP CO	130	Winters 3NE	62
Tracy Carbona	130	Winters Wolfskill Ranch	62
Trona	308	Wofford Heights	147
Truckee RS	244	Woodfords	246
Turlock	111	Woodland 1WNW	63
Tustin Irvine	353	Woodland Rumsey	63
Twin Lakes	97	Wreden Ranch SLO 121	252
Ukiah	237	Yolo	64
Union Island	131	Yorkville	229
Upper Drive	334	Yosemite	123
Upper Lake RS	101	Youngstown	113
Upper Mattole	227	Yreka	215
Upper Ojai-Summit FS 65A	281		
Upper San Leandro Res	179		
Vacaville	59		
Van Nuys FC 15	297		

TABLES OF
LONG-DURATION PRECIPITATION FREQUENCY DATA

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 400 4591 0	STATION NAME KNIGHTS LANDING	ELEV 35	SEC 14	TWP 11N	RNG LOT 02E G	BWM H	LATITUDE 38-802	LONGITUDE 121-716	COUNTY CODE 57			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	300	600	F YR
2	1.79	2.28	2.66	2.86	3.12	3.34	3.77	3.97	4.72	6.07	9.00	15.94
5	2.40	3.13	3.64	3.91	4.23	4.51	5.10	5.35	6.31	8.22	12.22	20.80
10	2.80	3.69	4.29	4.58	4.95	5.25	5.92	6.19	7.25	9.53	14.14	23.72
20	3.16	4.23	4.90	5.21	5.62	5.93	6.68	6.95	8.08	10.72	15.87	26.32
25	3.28	4.40	5.09	5.40	5.83	6.14	6.91	7.19	8.34	11.08	16.39	27.12
40	3.33	4.75	5.48	5.50	5.93	6.57	7.38	7.66	8.85	11.82	17.46	28.73
50	3.62	4.91	5.66	5.99	6.45	6.77	7.60	7.88	9.08	12.17	17.95	29.48
100	3.95	5.41	6.22	6.58	7.06	7.38	8.27	8.55	9.78	13.20	19.43	31.72
200	4.28	5.90	6.76	7.11	7.64	7.97	8.91	9.18	10.45	14.19	20.85	33.86
1000	5.01	7.01	7.99	8.36	8.97	9.29	10.34	10.60	11.92	16.39	23.96	38.57
10000	8.01	8.55	9.70	10.07	10.79	11.10	12.28	12.50	13.86	19.35	28.13	44.86
PMP	11.86	16.20	18.84	20.05	21.41	22.58	25.72	26.88	31.53	41.73	62.64	97.06
MEAN	1.906	2.468	2.864	3.061	3.337	3.545	3.982	4.170	4.892	6.385	9.413	16.563
CLOCK WR. COR.	1.140	1.670	1.050	1.040	1.030	1.020	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	.736	.665	.454	.605	.608	.665	.826	.716	.416	.773	.749	.417
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700
KURTOSIS	3.234	2.725	2.654	2.655	2.724	2.897	3.507	3.228	2.411	3.594	3.614	3.168
N	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1907	1956	1923	1911	1956	1956	1956	1941	1911	1911	1941	1941
RECORD MAXIMUM	3.140	4.060	4.450	4.900	5.590	6.340	7.760	8.340	12.850	20.200	30.460	46.000
NORMALIZED MAX	1.421	2.207	1.997	1.943	2.269	2.534	2.664	2.590	2.105	2.700	2.976	2.766
CALC. COEF. VAR	.337	.292	.281	.309	.298	.311	.318	.327	.335	.375	.385	.303
REGN. COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.369	.377	.324
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.369	.377	.324
MEAN/A	.1151	.1490	.1729	.1848	.2015	.2140	.2404	.2518	.2954	.3855	.5663	1.0000
RP10/A	.1688	.2231	.2591	.2765	.2990	.3167	.3575	.3739	.4378	.5756	.8539	1.4319
RP25/A	.1978	.2656	.3072	.3261	.3517	.3705	.4170	.4340	.5033	.6691	.9896	1.6372
RP50/A	.2186	.2965	.3418	.3616	.3895	.4088	.4590	.4760	.5483	.7303	1.0839	1.7798
RP100/A	.2387	.3266	.3755	.3959	.4260	.4456	.4992	.5160	.5908	.7968	1.1733	1.9148
RP1000/A	.3023	.4230	.4826	.5045	.5414	.5612	.6244	.6397	.7195	.9893	1.4468	2.3285
RP10000/A	.3628	.5161	.5854	.6078	.6513	.6704	.7417	.7546	.8365	1.1681	1.6982	2.7087
PMP/A	.7159	.9784	1.1378	1.2107	1.2925	1.3633	1.5529	1.6228	1.9036	2.5194	3.7821	5.8600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 400 4638 0	STATION NAME LA FINCA ORCHARD	ELEV 79	SEC 70	TWP 16N	RNG LOT 03E R	BWM M	LATITUDE 39-249	LONGITUDE 121-614	COUNTY CODE 58				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.62	3.01	3.33	3.52	3.78	4.19	4.57	5.46	5.93	7.19	10.49	20.03
5	2.64	3.60	4.14	4.56	4.78	5.11	5.67	6.16	7.31	8.01	9.70	14.24	25.89
10	3.08	4.25	4.87	5.34	5.59	5.95	6.59	7.13	8.40	9.27	11.21	16.79	29.21
20	3.48	4.87	5.56	6.07	6.34	6.72	7.43	8.01	9.36	10.41	12.95	18.50	32.05
25	3.60	5.06	5.77	6.30	6.58	6.96	7.69	8.28	9.65	10.76	12.96	19.11	32.95
40	3.67	5.46	6.22	6.41	6.69	7.45	8.22	8.83	10.24	11.48	13.80	20.35	34.68
50	3.95	5.65	6.43	6.99	7.28	7.68	8.46	9.08	10.51	11.81	14.18	20.93	35.97
100	4.35	6.22	7.06	7.65	7.97	8.37	9.21	9.85	11.33	12.61	15.34	22.65	37.83
200	4.71	6.79	7.68	8.30	8.63	9.04	9.92	10.58	12.10	13.77	16.45	24.30	40.04
1000	5.51	8.06	9.07	9.75	10.13	10.54	11.51	12.21	13.80	15.89	18.88	27.93	44.80
10000	6.61	9.84	11.00	11.74	12.18	12.59	13.68	14.40	16.04	18.74	22.13	32.79	50.07
PMP	13.04	18.64	21.39	23.39	24.17	25.51	28.64	30.96	36.50	40.35	48.09	73.02	119.98
MEAN	2.097	2.840	3.250	3.571	3.768	4.020	4.433	4.804	5.664	6.231	7.512	10.972	20.475
CLOCK WR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.764	1.711	2.764	2.212	1.933	1.322	1.059	.972	.514	.573	.758	.685	.693
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.517	7.064	14.754	11.172	9.740	6.555	5.124	4.660	3.481	3.555	5.402	4.175	3.312
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1938	1903	1963	1963	1963	1963	1963	1941	1941	1941	1941	1941	1941
RECORD MAXIMUM	3.160	6.110	9.080	9.130	9.130	9.130	9.130	9.240	10.450	11.390	15.140	20.420	37.660
NORMALIZED MAX	1.815	3.203	4.296	4.103	4.003	3.526	3.085	2.706	2.559	2.608	3.232	2.808	2.760
CALC. COEF. VAR	.279	.359	.417	.379	.355	.360	.343	.341	.330	.317	.314	.307	.310
REGN. COEF. VAR	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.372	.374
USED COEF. VAR	.348	.371	.372	.370	.361	.358	.364	.363	.363	.365	.369	.377	.374
MEAN/A	.1024	.1387	.1587	.1744	.1840	.1964	.2165	.2346	.2766	.3043	.3669	.5359	1.00000
RP10/A	.1502	.2076	.2379	.2609	.2731	.2906	.3220	.3495	.4100	.4528	.5474	.8052	1.42666
RP25/A	.1760	.2472	.2820	.3077	.3213	.3399	.3756	.4044	.4713	.5257	.6331	.9332	1.60992
RP50/A	.1945	.2759	.3158	.3412	.3558	.3750	.4134	.4336	.5135	.5568	.6721	1.0221	1.73277
RP100/A	.2124	.3039	.3447	.3736	.3891	.4098	.4496	.4699	.5533	.6255	.7492	1.1064	1.84744
RP1000/A	.2690	.3937	.4431	.4760	.4945	.5149	.5623	.5961	.6738	.7758	.9220	1.3643	2.16768
RP10000/A	.3228	.4804	.5374	.5735	.5949	.6151	.6680	.7032	.7834	.9154	1.0809	1.6014	2.48964
PMP/A	.6370	.9106	1.0445	1.1424	1.1806	1.2508	1.3987	1.5122	1.7828	1.9706	2.3977	3.5664	5.86000

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB										CODE
420 8135 0	SHASTA DAM	1076	15	33N	05W		M	40.717	122.417	45
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	5.33	7.16	8.34	9.42	10.17	11.03	12.46	13.75	16.19	18.06
5	7.12	9.08	11.66	13.15	14.10	15.19	17.09	18.77	21.88	24.78
10	8.27	11.70	13.83	15.55	16.64	17.83	19.97	21.83	25.22	28.68
20	9.34	13.41	15.87	17.77	18.99	20.25	22.40	24.50	28.19	32.58
25	9.18	13.95	16.50	18.47	19.72	21.00	23.41	25.44	29.08	33.71
40	9.84	15.06	17.82	18.81	20.48	22.54	25.07	27.17	30.91	36.03
50	10.68	15.98	18.43	20.56	21.93	23.26	25.84	27.97	31.74	37.10
100	11.85	17.18	20.33	21.58	24.15	25.43	28.16	30.25	34.25	40.33
200	12.68	18.74	22.13	24.55	26.14	27.54	30.40	32.70	36.63	43.43
1000	14.72	22.29	26.26	28.97	30.61	32.25	35.39	37.82	41.84	50.30
10000	17.65	27.23	31.98	35.06	37.24	38.69	42.18	44.74	48.74	59.56
PHP	34.71	51.72	62.70	70.56	74.74	79.56	89.08	96.99	111.69	129.52
MEAN	5.677	7.772	9.035	10.146	10.934	11.770	13.284	14.476	16.821	19.033
CLOCK HR. COR.	1.148	1.079	1.040	1.024	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.936	1.487	1.500	1.745	1.969	2.004	1.677	1.502	1.879	1.612
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700

KURTOSIS	8.176	5.129	5.688	6.597	7.085	7.249	5.603	4.927	3.956	3.909
N	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1965	1965	1965	1954	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	11.96	15.220	18.800	22.150	24.700	27.260	28.110	29.240	30.990	33.710
NORMALIZED MAX	2.740	2.611	2.786	2.806	2.884	3.025	2.797	2.943	2.619	2.748
CALC. COEF. VAR	.383	.367	.368	.422	.439	.435	.404	.372	.324	.319
REGION. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387
MEAN/A	.0960	.1314	.1528	.1716	.1849	.1990	.2233	.2448	.2844	.3218
RP10/A	.1399	.1978	.2339	.2629	.2813	.3014	.3377	.3691	.4265	.4883
RP25/A	.1636	.2359	.2791	.3122	.3335	.3551	.3959	.4302	.4915	.5701
RP50/A	.1806	.2635	.3117	.3476	.3768	.3933	.4369	.4729	.5367	.6274
RP100/A	.1970	.2905	.3433	.3813	.4069	.4306	.4761	.5137	.5791	.6819
RP1000/A	.2480	.3769	.4441	.4998	.5210	.5453	.5905	.6375	.7075	.8505
RP10000/A	.2984	.4604	.5407	.5928	.6297	.6542	.7131	.7594	.8242	1.0070
PHP/A	.5876	.8746	1.0603	1.1932	1.2637	1.3453	1.5059	1.6399	1.8886	2.1901

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB										CODE
420 9386 0	VOLLMEYER	148	1360	34	36N	05W	M	40.950	122.433	45
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	5.70	7.78	9.16	10.34	11.29	12.32	13.97	15.40	18.24	20.40
5	7.62	10.74	12.80	14.43	15.66	16.97	19.17	21.02	24.65	27.98
10	8.85	12.72	15.19	17.06	18.47	19.91	22.41	24.45	28.42	32.61
20	10.00	14.58	17.43	19.50	21.08	22.82	25.35	27.95	31.75	36.01
25	10.35	15.17	18.13	20.26	21.69	23.45	26.26	28.50	32.77	38.08
40	10.53	16.38	19.57	20.63	22.29	25.18	28.12	30.44	34.82	40.69
50	11.43	16.95	20.25	22.55	24.34	25.96	28.98	31.33	35.76	41.90
100	12.47	18.68	22.30	24.77	26.71	28.40	31.59	34.03	38.58	45.55
200	13.46	20.36	24.31	26.93	29.02	30.75	34.10	36.63	41.27	49.05
1000	15.76	24.24	28.85	31.79	34.20	36.02	39.70	42.37	47.14	56.81
10000	18.89	29.80	35.12	38.49	41.34	43.21	47.31	50.11	54.91	67.26
PHP	37.15	56.24	68.87	77.42	82.96	88.86	99.90	108.65	125.83	144.29
MEAN	6.075	8.451	9.924	11.132	12.137	13.144	14.811	16.216	18.951	21.497
CLOCK HR. COR.	1.140	1.070	1.040	1.024	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	.235	.099	.193	.095	.326	.411	.516	.673	1.211	1.001
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700

KURTOSIS	3.666	2.169	2.217	1.912	2.337	2.455	2.964	3.721	2.517	2.377
N	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1971	1974	1959	1959	1959	1959	1961	1941	1941	1958
RECORD MAXIMUM	9.250	12.360	15.490	16.450	20.540	22.340	26.100	31.190	32.750	42.360
NORMALIZED MAX	1.820	1.560	1.959	1.622	2.331	2.336	2.389	2.884	2.145	1.717
CALC. COEF. VAR	.287	.297	.296	.295	.297	.300	.319	.320	.315	.308
REGION. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387
MEAN/A	.0854	.1108	.1395	.1564	.1766	.1847	.2081	.2279	.2663	.3021
RP10/A	.1244	.1787	.2135	.2397	.2595	.2796	.3149	.3436	.3993	.4583
RP25/A	.1455	.2131	.2540	.2847	.3076	.3296	.3691	.4005	.4605	.5351
RP50/A	.1606	.2381	.2845	.3170	.3421	.3650	.4073	.4403	.5026	.5869
RP100/A	.1752	.2625	.3134	.3481	.3754	.3991	.4439	.4782	.5422	.6401
RP1000/A	.2214	.3406	.4054	.4467	.4807	.5061	.5580	.5954	.6824	.7963
RP10000/A	.2654	.4160	.4936	.5405	.5809	.6073	.6644	.7043	.7717	.9452
PHP/A	.5221	.7903	.9679	1.0890	1.1698	1.2487	1.4039	1.5268	1.7683	2.0557

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
440 5679 0	MINERAL	4910	25	29N	03E	M		40.350	121.600	52
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	4.44	5.96	6.99	7.64	8.41	9.05	10.23	11.11	13.12	14.40
5	5.93	8.23	9.77	10.67	11.66	12.47	14.04	15.17	17.73	19.63
10	6.89	9.75	11.59	12.61	13.76	14.63	16.41	17.64	20.44	22.81
20	7.78	11.18	13.30	14.42	15.70	16.62	18.57	19.87	22.84	25.69
25	8.15	11.93	13.83	14.98	16.31	17.23	19.23	20.56	23.57	26.58
40	8.19	12.55	14.93	15.26	16.60	18.50	20.59	21.96	25.05	28.38
50	8.89	12.99	15.45	16.68	18.13	19.09	21.22	22.60	25.73	29.21
100	9.70	14.32	17.02	18.32	19.70	20.87	23.12	24.55	27.75	31.72
200	10.49	15.42	18.55	19.91	21.31	22.60	24.94	26.42	30.14	34.64
1000	12.26	18.58	22.01	23.50	25.48	26.46	29.08	30.57	33.91	39.48
10000	14.69	22.69	26.80	28.44	30.79	31.75	34.65	36.15	39.50	46.68
PMP	28.90	43.10	52.55	57.24	61.79	65.29	73.16	78.38	90.52	101.10
MEAN	4.726	6.477	7.572	8.231	9.041	9.658	10.844	11.699	13.632	15.157
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.137	2.111	1.794	1.579	1.485	1.324	.950	.884	.921	.551
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800
KURTOSIS	5.897	9.212	7.480	6.352	5.900	5.189	4.091	3.688	2.821	3.339
N	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1963	1963	1963	1963	1963	1963	1956	1956	1956	1974
RECORD MAXIMUM	10.400	18.050	21.810	22.670	23.930	24.010	24.540	25.860	30.210	37.030
NORMALIZED MAX	2.940	3.793	3.706	3.650	3.530	3.245	2.805	2.653	2.273	2.554
CALC. COEF. VAR	.423	.504	.499	.487	.467	.458	.424	.414	.395	.375
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.376	.378	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.376	.378	.374
MEAN/A	.0899	.1233	.1441	.1566	.1720	.1838	.2064	.2225	.2594	.2884
RP10/A	.1311	.1855	.2206	.2400	.2618	.2784	.3123	.3357	.3896	.4342
RP25/A	.1533	.2212	.2632	.2851	.3103	.3280	.3660	.3912	.4485	.5058
RP50/A	.1692	.2472	.2940	.3174	.3450	.3632	.4039	.4301	.4895	.5559
RP100/A	.1846	.2725	.3238	.3486	.3786	.3971	.4402	.4637	.5262	.6037
RP1000/A	.2333	.3535	.4186	.4472	.4848	.5036	.5533	.5817	.6453	.7512
RP10000/A	.2796	.4318	.5100	.5412	.5860	.6042	.6593	.6886	.7517	.8883
PMP/A	.5499	.8202	1.0000	1.0893	1.1759	1.2425	1.3922	1.4916	1.7225	1.9239

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
440 9390 0	VOLTA POWER HOUSE	2200	16	30N	01E	M		40.450	121.867	45
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.59	3.25	3.65	3.93	4.12	4.31	5.36	6.00	7.24	8.14
5	3.46	4.49	5.10	5.49	5.72	6.21	7.35	8.20	9.79	11.10
10	4.02	5.31	6.05	6.49	6.74	7.29	8.59	9.53	11.28	12.90
20	4.54	6.09	6.95	7.42	7.70	8.28	9.72	10.74	12.61	14.53
25	4.71	6.34	7.22	7.71	7.99	8.59	10.07	11.11	13.01	15.03
40	4.70	6.85	7.80	7.85	8.14	9.22	10.78	11.87	13.83	16.05
50	5.19	7.08	8.07	8.58	8.89	9.51	11.11	12.21	14.20	16.52
100	5.67	7.81	8.99	9.42	9.75	10.40	12.11	13.27	15.32	17.94
200	6.13	8.52	9.69	10.24	10.60	11.26	13.07	14.28	16.39	19.30
1000	7.16	10.13	11.49	12.09	12.49	13.19	15.22	16.52	18.72	22.32
10000	8.58	12.37	14.00	14.63	15.09	15.82	18.14	19.54	21.81	25.33
PMP	16.88	23.50	27.44	29.45	30.29	32.54	38.30	42.36	49.97	57.17
MEAN	2.761	3.532	3.955	4.234	4.432	4.813	5.678	6.322	7.525	8.571
CLOCK HR. COR.	1.100	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	-0.156	.051	.481	.050	.068	.702	.606	.714	.988	.605
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
KURTOSIS	2.935	2.554	2.937	3.643	3.397	3.413	3.418	3.150	3.933	2.742
N	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1970	1970	1970	1970	1970	1970	1970	1970	1956	1956
RECORD MAXIMUM	3.700	5.180	6.180	6.680	6.800	7.280	9.080	9.840	12.700	13.620
NORMALIZED MAX	1.114	1.607	1.924	2.156	2.206	2.430	2.914	2.468	2.142	1.747
CALC. COEF. VAR	.305	.290	.293	.280	.250	.229	.257	.254	.279	.267
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.376	.378	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.376	.378	.374
MEAN/A	.0815	.1043	.1167	.1250	.1308	.1421	.1676	.1866	.2221	.2530
RP10/A	.1187	.1589	.1787	.1915	.1991	.2152	.2535	.2814	.3331	.3808
RP25/A	.1389	.1871	.2132	.2275	.2359	.2535	.2972	.3279	.3841	.4436
RP50/A	.1533	.2091	.2381	.2532	.2623	.2808	.3260	.3605	.4192	.4876
RP100/A	.1673	.2205	.2523	.2781	.2879	.3076	.3574	.3916	.4522	.5295
RP1000/A	.2114	.2990	.3393	.3569	.3686	.3893	.4493	.4876	.5525	.6589
RP10000/A	.2533	.3652	.4131	.4319	.4455	.4671	.5353	.5767	.6436	.7791
PMP/A	.4983	.8938	.8101	.8693	.8941	.9805	1.1304	1.2507	1.4749	1.6875

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
450 1130 0	BRUSH CREEK	407	3560	07	21N	06E	M M	39.691	121.338	04	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	6.08	7.94	9.43	10.72	11.81	12.70	14.38	15.94	19.12	21.16	24.92
5	6.13	10.96	13.18	14.96	16.37	17.49	19.74	21.76	25.83	28.84	33.75
10	9.44	12.97	15.65	17.69	19.31	20.52	23.07	25.30	29.78	33.53	39.04
20	10.66	14.88	17.95	20.22	22.05	23.31	26.10	28.51	33.28	37.76	43.77
25	11.04	15.47	18.67	21.01	22.89	24.18	27.04	29.49	34.34	39.06	45.21
40	11.23	16.71	20.15	21.43	23.33	24.55	27.48	30.49	35.41	40.17	46.14
50	12.19	17.29	20.85	22.39	24.66	25.88	28.84	32.44	37.48	42.48	49.49
100	13.30	19.06	22.97	25.69	27.93	29.27	32.52	35.22	40.44	46.62	53.56
200	14.38	20.79	25.04	27.93	30.35	31.70	35.11	37.91	43.25	50.17	57.45
1000	16.81	24.73	29.71	32.96	35.77	37.42	40.87	43.65	49.40	56.80	64.60
10000	20.15	30.20	36.17	39.69	42.23	44.54	48.70	51.86	57.56	66.00	77.43
PHP	39.62	57.38	70.93	80.29	86.76	91.59	102.85	112.44	131.88	148.12	172.19
MEAN	6.480	8.621	10.220	11.544	12.693	13.549	15.248	16.782	19.862	22.276	26.049
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	0.610	1.178	1.253	1.099	.890	.700	.276	.161	-0.035	.282	.122
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
KURTOSIS	3.140	5.601	6.462	5.563	4.667	3.498	2.736	2.459	2.374	3.455	2.974
N	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1963	1963	1963	1963	1963	1963	1965	1965	1970	1965	1970
RECORD MAXIMUM	11.400	18.750	23.700	25.990	26.010	26.010	26.040	28.720	33.040	43.080	46.020
NORMALIZED MAX	1.088	3.021	3.328	3.284	2.777	2.440	1.947	1.974	2.678	2.333	1.945
CALC. COEF. VAR	.380	.389	.396	.383	.378	.373	.380	.360	.341	.349	.331
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.376
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.376
MEAN/A	.0892	.1187	.1407	.1589	.1748	.1866	.2099	.2311	.2735	.3067	.3587
RP10/A	.0390	.1786	.2154	.2436	.2659	.2826	.3176	.3444	.4101	.4617	.5375
RP25/A	.1521	.2131	.2571	.2826	.3024	.3172	.3421	.3641	.4238	.4578	.5252
RP50/A	.1679	.2380	.2871	.3220	.3505	.3687	.4108	.4465	.5161	.5911	.6815
RP100/A	.1831	.2624	.3162	.3537	.3846	.4031	.4477	.4849	.5568	.6419	.7374
RP1000/A	.2314	.3405	.4090	.4538	.4925	.5112	.5628	.6038	.6802	.7988	.9087
RP10000/A	.2774	.4159	.4981	.5492	.5953	.6213	.6706	.7141	.7925	.9445	1.0661
PHP/A	.5456	.7900	.9766	1.1055	1.1946	1.2601	1.4101	1.5482	1.8159	2.0458	2.3708

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE
450 1159 0	BUCKS CREEK PH	14	1740	29	24N	06E	R M	39.911	121.327	02	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	5.06	7.19	8.64	9.72	10.58	11.56	12.99	14.45	17.03	18.68	22.39
5	6.77	9.92	12.07	13.57	14.67	15.93	17.82	19.72	23.01	25.45	30.32
10	7.86	11.75	14.33	16.04	17.30	18.69	20.83	22.94	26.53	29.59	35.07
20	8.88	13.47	16.44	18.34	19.75	21.23	23.57	25.84	29.64	33.32	39.32
40	9.19	14.01	17.10	19.05	20.51	22.02	24.41	26.73	30.59	34.47	40.62
50	10.15	15.65	19.09	21.21	22.81	24.39	26.94	29.39	33.38	37.88	44.47
100	11.97	17.25	21.03	23.30	25.63	26.66	29.36	31.92	36.02	41.14	49.12
200	11.97	18.83	22.93	25.33	27.19	28.87	31.70	34.36	38.52	44.27	51.81
1000	13.99	22.39	27.20	29.89	32.65	33.81	36.91	39.75	44.00	51.19	59.29
10000	16.77	27.34	33.13	36.17	38.73	40.57	43.98	47.01	51.26	60.53	69.56
PHP	32.99	51.94	64.95	72.81	77.73	83.42	92.87	101.92	117.46	131.11	154.69
MEAN	5.395	7.805	9.359	10.469	11.373	12.340	13.769	15.212	17.690	19.657	23.403
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.571	2.203	1.763	1.624	1.484	1.300	.818	.607	.376	1.176	.590
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
KURTOSIS	6.787	9.638	9.110	8.007	7.741	6.378	4.325	3.488	3.061	6.032	3.708
N	45	45	45	45	45	45	45	45	45	44	44
RECORD YEAR	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	1968
RECORD MAXIMUM	10.330	21.530	25.280	27.930	29.900	29.900	31.420	36.290	44.430	50.600	61.020
NORMALIZED MAX	2.759	3.777	3.621	3.772	3.757	3.391	2.803	2.638	2.749	3.604	3.013
CALC. COEF. VAR	.385	.466	.445	.442	.434	.420	.418	.404	.382	.397	.378
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374
MEAN/A	.0815	.1180	.1414	.1582	.1719	.1865	.2081	.2299	.2673	.2971	.3537
RP10/A	.1188	.1775	.2165	.2424	.2615	.2825	.3148	.3466	.4009	.4471	.5300
RP25/A	.1390	.2117	.2584	.2879	.3100	.3328	.3689	.4040	.4622	.5209	.6138
RP50/A	.1534	.2365	.2885	.3206	.3447	.3685	.4072	.4445	.5025	.5725	.6844
RP100/A	.1673	.2607	.3178	.3521	.3782	.4029	.4436	.4824	.5443	.6217	.7571
RP1000/A	.2114	.3383	.4111	.4511	.4862	.5110	.5578	.6049	.6849	.7936	.9880
RP10000/A	.2535	.4132	.5006	.5467	.5853	.6131	.6646	.7105	.7747	.9148	1.0512
PHP/A	.4985	.7850	.9816	1.1003	1.1747	1.2606	1.4035	1.5402	1.7751	1.9814	2.3377

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE
450 3621 0	GREENVILLE R5	64	3560	02	26N	09E	L M	40.140	120.940	32

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	3.79	5.11	6.06	6.64	7.20	7.62	8.45	9.28	10.79	12.10	14.58
5	5.06	7.05	8.08	9.26	9.99	10.56	11.60	12.67	14.58	16.49	19.74
10	5.88	8.35	10.06	10.95	11.78	12.32	13.56	14.73	16.81	19.16	22.83
20	6.64	9.57	11.54	12.52	13.45	13.99	15.34	16.79	21.50	25.60	35.62
25	6.87	9.96	12.00	13.01	13.96	14.51	15.89	17.17	19.38	22.33	28.44
40	6.90	10.75	12.96	13.25	14.22	14.87	17.01	18.34	20.60	23.84	28.16
50	7.59	11.13	13.40	14.48	15.53	16.07	17.54	18.88	21.16	24.54	28.95
100	8.28	12.26	14.77	15.91	17.04	17.57	19.11	20.51	22.83	26.65	31.33
200	8.95	13.36	16.10	17.29	18.51	19.02	20.63	22.07	24.42	26.67	33.60
1000	10.44	15.91	19.10	20.41	21.62	22.28	24.02	25.53	27.89	33.16	38.60
10000	12.54	19.44	23.26	24.70	26.37	26.73	30.20	32.49	39.21	45.25	62.61
PMP	24.66	36.92	45.60	49.71	52.92	54.97	60.44	65.47	74.44	84.93	100.72

MEAN	4.033	5.548	6.571	7.148	7.742	8.131	8.961	9.771	11.211	12.732	15.237
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEN	1.140	1.694	1.442	1.400	1.350	1.199	1.018	1.359	1.009	1.009	1.009
REGIONAL SKEN	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700
SKEN USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700

KURTOSIS	3.092	4.402	6.077	5.064	4.336	4.088	4.157	3.547	3.007	4.363	3.405
N	48	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1967	1963	1963	1963	1963	1967	1967	1969	1969	1969	1911
RECORD MAXIMUM	6.170	10.880	15.400	16.100	16.150	16.350	20.250	22.670	29.110	32.290	42.850
NORMALIZED MAX	1.746	2.652	3.319	3.159	2.860	2.669	2.778	2.648	2.475	2.824	2.680
CALC. COEF. VAR	.304	.362	.390	.413	.397	.380	.406	.409	.413	.455	.420
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374

MEAN/A	.00996	.1370	.1622	.1705	.1912	.2008	.2213	.2413	.2768	.3144	.3762
RP1/A	.1451	.2061	.2484	.2761	.3041	.3247	.3581	.3837	.4151	.4732	.5637
RP2/A	.1897	.2459	.2904	.3212	.3448	.3582	.3923	.4240	.4706	.5512	.6529
RP5/A	.1873	.2747	.3310	.3576	.3834	.3967	.4329	.4661	.5224	.6059	.7148
RP10/A	.2044	.3028	.3646	.3927	.4267	.4436	.4719	.5063	.5636	.6579	.7735
RP100/A	.2502	.3929	.4716	.5339	.5907	.6101	.6504	.6905	.8167	.9531	1.3195
RP1000/A	.3005	.4799	.5742	.6608	.7510	.8000	.7057	.7456	.8621	.9481	1.1182
PMP/A	.6088	.9116	1.1259	1.2274	1.3065	1.3571	1.4924	1.6164	1.8380	2.0968	2.4867

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE
450 4722 0	LAKE WILSONOR	81	2040	15	22N	04E	E M	39.763	121.522	04

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	3.76	5.29	6.13	6.80	7.41	8.15	9.16	10.21	12.19	13.44	16.46
5	5.03	7.30	8.56	9.49	10.28	11.22	12.57	13.93	16.47	18.31	22.29
10	5.84	8.65	10.16	11.22	12.12	13.17	14.69	16.20	18.99	21.28	25.78
20	6.59	9.91	11.66	12.93	13.84	14.96	16.92	18.26	21.22	23.97	28.91
25	6.83	10.31	12.13	13.33	14.37	15.51	17.22	18.69	21.90	24.79	29.86
40	6.94	11.14	13.09	13.57	14.83	16.05	18.44	20.17	23.27	26.46	31.80
50	7.54	11.52	13.54	14.83	15.98	17.16	19.00	20.76	23.90	27.25	32.69
100	8.22	12.70	14.92	16.29	17.53	18.78	20.71	22.55	25.78	29.59	35.37
200	8.89	13.06	16.26	17.71	19.05	20.34	22.36	24.27	27.58	31.85	37.94
1000	10.39	16.48	19.30	20.91	22.45	23.82	26.03	28.08	31.50	36.83	43.59
10000	12.46	20.13	23.50	25.30	27.13	28.58	31.02	33.21	36.70	43.55	51.14
PMP	24.50	38.24	46.07	50.92	54.45	58.77	65.56	72.60	84.09	94.32	113.73

MEAN	4.007	5.746	6.639	7.321	7.967	8.694	9.711	10.746	12.644	14.141	17.205
CLOCK MR. COR.	1.140	1.570	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEN	.643	.958	.840	.837	.847	.860	.851	.887	.911	.901	.953
REGIONAL SKEN	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700
SKEN USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700

KURTOSIS	2.938	3.668	2.794	3.319	3.249	3.253	2.757	2.688	2.595	3.322	2.581
N	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1938	1905	1940	1965	1940	1941	1941	1941	1941	1941	1941
RECORD MAXIMUM	6.070	9.600	10.730	12.180	13.280	15.110	15.930	18.900	22.010	25.940	29.390
NORMALIZED MAX	1.611	1.956	2.012	2.328	2.401	2.573	2.153	2.400	2.260	2.585	2.154
CALC. COEF. VAR	.320	.343	.306	.285	.278	.287	.255	.316	.327	.332	.324
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.378	.374

MEAN/A	.0788	.1130	.1366	.1440	.1567	.1710	.1911	.2114	.2492	.2782	.3385
RP1/A	.1149	.1701	.1999	.2207	.2385	.2591	.2890	.3188	.3736	.4187	.5072
RP2/A	.1344	.2029	.2386	.2622	.2827	.3052	.3367	.3716	.4308	.4678	.5875
RP5/A	.1403	.2267	.2685	.2919	.3144	.3368	.3738	.4085	.4702	.5362	.6726
RP10/A	.1618	.2499	.2925	.3208	.3489	.3694	.4074	.4437	.5073	.5822	.6960
RP100/A	.2045	.3242	.3797	.4113	.4417	.4687	.5121	.5524	.6190	.7246	.8576
RP1000/A	.2451	.3960	.4623	.4977	.5339	.5623	.6103	.6534	.7220	.8567	1.0062
PMP/A	.4821	.7523	.9065	1.0018	1.0714	1.1563	1.2886	1.4165	1.6545	1.8556	2.2375

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
450 9351 0	VINTON	147	4945	28 23N	16E 0	M	39.819	120.168	27				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.42	1.83	2.11	2.34	2.54	2.69	2.97	3.15	3.52	3.82	4.35	5.06	13.25
5	1.90	2.52	2.95	3.26	3.53	3.71	4.07	4.30	4.78	5.24	5.89	6.84	16.72
10	2.21	2.99	3.51	3.86	4.16	4.35	4.76	5.00	5.49	6.10	6.81	9.28	16.69
20	2.69	3.42	4.02	4.41	4.75	4.95	5.38	5.64	6.13	6.88	7.63	10.38	20.40
25	2.58	3.56	4.18	4.58	4.93	5.13	5.56	5.83	6.33	7.12	7.89	10.72	20.91
40	2.63	3.85	4.52	4.67	5.02	5.23	5.97	6.23	6.73	7.61	8.40	11.41	21.94
50	2.85	3.98	4.67	5.10	5.49	5.68	6.15	6.41	6.91	7.84	8.63	11.72	22.41
100	3.11	4.39	5.15	5.61	6.02	6.21	6.71	6.96	7.45	8.52	9.34	12.67	23.80
200	3.36	4.78	5.61	6.09	6.54	6.74	7.24	7.49	7.97	9.18	10.02	13.58	25.11
1000	3.93	5.69	6.66	7.19	7.71	7.88	8.43	8.67	9.10	10.63	11.51	15.58	27.93
10000	4.71	6.95	8.11	8.70	9.32	9.45	10.04	10.25	10.61	12.58	13.51	18.25	31.59
PMP	9.27	13.20	15.90	17.52	18.70	19.43	21.21	22.23	24.30	27.37	30.04	40.41	72.50
MEAN	1.516	1.984	2.290	2.519	2.736	2.874	3.144	3.318	3.660	4.022	4.544	6.240	13.514
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.617	2.302	1.940	1.656	1.485	1.360	1.200	1.087	1.026	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	10.918	9.210	7.495	5.328	6.750	6.062	7.110	6.888	5.686	6.109	6.487	4.625	2.263
RECORD YEAR	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD MAXIMUM	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1963
NORMALIZED MAX	3.840	3.640	3.340	3.290	3.180	3.080	2.980	2.900	2.820	2.740	2.660	2.580	2.500
CALC. COEF. VAR	.483	.530	.525	.536	.569	.579	.601	.584	.550	.544	.544	.424	.260
REGD. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.1121	.1468	.1695	.1864	.2025	.2127	.2327	.2455	.2709	.2976	.3363	.4618	1.0000
RP10/A	.1534	.2059	.2395	.2681	.2922	.3022	.3320	.3702	.4052	.4551	.5039	.6884	1.3832
RP25/A	.1911	.2635	.3096	.3392	.3651	.3751	.4203	.4315	.4803	.5272	.5838	.7932	1.5472
RP50/A	.2110	.2944	.3458	.3777	.4060	.4203	.4553	.4744	.5111	.5601	.6389	.8674	1.6580
RP100/A	.2302	.3245	.3809	.4148	.4455	.4596	.4962	.5153	.5514	.6006	.6914	.9377	1.7611
RP1000/A	.2969	.4211	.4927	.5322	.5705	.5858	.6237	.6373	.6737	.7684	.8518	1.1528	2.0668
RP10000/A	.3487	.5143	.5999	.6440	.6895	.6992	.7432	.7588	.7849	.9312	.9995	1.3507	2.3377
PMP/A	.6858	.9770	1.1763	1.2963	1.3838	1.4378	1.5694	1.6451	1.7985	2.0252	2.2227	2.9900	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
460 747 0	BIG BENO RS	5	5739	28 17N	13E K	M	39.307	120.517	31				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.45	7.73	9.42	10.60	11.95	12.94	14.51	15.73	18.25	20.52	24.00	34.72	67.43
5	7.28	10.68	13.17	14.79	16.57	17.83	19.91	21.47	24.66	28.16	32.49	46.70	85.10
10	8.46	12.64	15.63	17.49	19.55	20.92	23.26	24.98	28.44	32.01	37.59	53.69	95.11
20	9.56	14.49	17.93	20.00	22.31	23.76	26.33	28.14	31.78	37.02	42.14	60.31	103.79
25	9.90	15.07	18.45	20.78	23.17	24.64	27.27	29.11	32.79	38.31	43.53	62.27	106.39
40	10.09	16.28	20.13	21.16	23.59	26.45	29.20	31.09	34.84	40.94	46.36	66.26	117.62
50	10.92	16.84	20.83	23.13	25.76	27.29	30.09	32.01	35.79	42.16	47.66	68.09	114.01
100	11.92	18.57	22.94	25.44	28.27	29.84	32.80	34.76	38.61	45.83	51.57	73.61	121.10
200	12.88	20.26	25.01	27.62	30.71	32.31	35.41	37.42	41.30	49.35	55.32	78.88	127.77
1000	15.06	24.09	29.67	32.60	36.20	37.84	41.22	43.28	47.17	57.15	63.55	90.50	142.12
10000	18.05	29.42	36.13	39.45	43.75	45.40	49.12	51.19	54.95	67.67	74.56	106.03	160.75
PMP	35.50	55.89	70.85	79.40	87.81	93.35	103.73	110.99	125.92	147.18	165.80	234.72	368.91
MEAN	5.406	8.399	10.209	11.416	12.847	13.809	15.379	16.565	18.964	21.628	25.083	36.250	60.763
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.464	1.530	1.546	1.454	1.280	1.364	1.240	1.134	.951	1.190	.919	.754	.397
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.258	5.297	4.855	4.430	4.047	4.629	4.233	4.053	3.460	4.312	3.321	2.971	2.031
RECORD YEAR	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD MAXIMUM	1963	1965	1963	1965	1965	1956	1956	1965	1965	1965	1965	1956	1956
NORMALIZED MAX	10.540	17.500	21.550	25.230	27.480	31.400	33.370	35.566	39.490	50.430	52.790	66.440	101.190
CALC. COEF. VAR	.212	.2425	.2545	.2439	.2393	.2662	.2551	.2494	.2428	.2817	.2530	.2122	1.730
REGD. COEF. VAR	.306	.447	.474	.496	.476	.479	.459	.460	.446	.473	.437	.392	.273
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
PMP/A	.5163	.8128	1.0304	1.1547	1.2770	1.3575	1.5085	1.6141	1.8312	2.1404	2.4112	3.4135	5.3650
MEAN/A	.0844	.1231	.1485	.1660	.1860	.2026	.2236	.2409	.2758	.3145	.3648	.7827	1.0000
RP10/A	.1230	.1828	.2273	.2544	.2843	.3042	.3363	.3532	.4135	.4772	.5468	.7832	1.3032
RP25/A	.1219	.1821	.2262	.2532	.2830	.3029	.3349	.3518	.4121	.4758	.5454	.7817	1.3021
RP50/A	.1589	.2449	.3029	.3364	.3747	.3969	.4376	.4655	.5204	.6131	.6931	.9903	1.6580
RP100/A	.1733	.2700	.3336	.3695	.4112	.4339	.4770	.5056	.5615	.6664	.7500	1.0705	1.7611
RP1000/A	.2190	.3503	.4316	.4740	.5265	.5502	.5995	.6295	.6860	.8312	.9242	1.3162	2.0868
RP10000/A	.2425	.4278	.5255	.5737	.6363	.6602	.7144	.7445	.7992	.9642	1.0843	1.5420	2.3377
PMP/A	.5163	.8128	1.0304	1.1547	1.2770	1.3575	1.5085	1.6141	1.8312	2.1404	2.4112	3.4135	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB			STATION NAME		ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	
A60	1018	0	BOWMAN DAM		11	5347	08	18N 12E	0 M	39.445	120.656	42	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.10	7.01	8.44	9.51	10.51	11.59	12.96	14.31	16.94	18.59	21.67	31.69	64.67
5	6.82	9.68	11.80	13.26	14.57	15.97	17.79	19.53	22.89	25.50	29.34	42.63	81.61
10	7.92	11.46	14.00	15.68	17.19	18.74	20.79	22.72	26.39	29.72	33.94	49.19	91.21
20	8.95	13.14	16.06	17.93	19.62	21.29	23.53	25.60	29.49	33.53	38.05	55.05	99.53
25	9.27	13.67	16.71	18.63	20.38	22.07	24.37	26.48	30.43	34.70	39.30	56.84	102.03
40	9.42	14.76	18.04	19.97	20.75	23.69	26.09	28.28	32.33	37.08	41.86	60.48	107.05
50	10.23	15.27	18.66	20.74	22.66	24.45	26.89	29.11	33.21	38.19	43.03	62.16	109.34
100	11.10	16.83	20.55	22.78	24.86	26.73	29.31	31.82	35.83	41.51	46.56	67.19	116.13
200	12.06	18.36	22.40	24.76	27.01	28.94	31.65	34.04	38.32	44.70	49.94	72.01	122.53
1000	14.10	21.84	26.38	29.23	31.34	33.90	36.84	39.37	43.77	51.77	57.37	82.61	136.29
10000	16.90	26.67	32.37	35.37	38.48	40.67	43.90	46.57	50.99	61.30	67.32	96.78	154.15
PMF	33.24	50.67	63.47	71.19	77.22	83.63	92.70	100.96	116.85	133.31	149.49	214.25	353.78
MEAN													
CLOCK HR. COR.	5.436	7.614	9.146	10.235	11.298	12.371	13.744	15.068	17.597	19.590	22.647	33.089	65.942
CALCULATED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	.994	1.330	1.531	1.557	1.550	1.339	1.248	1.107	.929	1.240	1.060	.906	.448
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS													
N	4.264	4.910	5.532	5.619	5.626	5.129	4.961	4.523	3.913	5.018	4.392	3.418	2.726
RECORD YEAR	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD MAXIMUM	1956	1956	1956	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
NORMALIZED MAX	9.920	16.300	21.430	24.680	27.150	28.890	33.400	36.180	38.860	48.370	52.360	65.630	117.270
CALC. COEF. VAR	2.407	2.755	2.948	3.011	3.090	3.013	3.121	3.064	2.742	3.270	3.040	2.404	2.662
REGION. COEF. VAR	.343	.414	.456	.469	.454	.443	.458	.457	.441	.449	.432	.409	.292
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0824	.1155	.1387	.1552	.1713	.1876	.2084	.2285	.2669	.2971	.3434	.5018	1.0000
RP10/A	.1201	.1737	.2123	.2378	.2607	.2842	.3153	.3445	.4002	.4571	.5146	.7459	1.3832
RP25/A	.1405	.2072	.2533	.2825	.3090	.3348	.3696	.4016	.4614	.5262	.5960	.8620	1.5472
RP50/A	.1551	.2315	.2829	.3145	.3435	.3707	.4078	.4415	.5038	.5791	.6526	.9426	1.6580
RP100/A	.1692	.2552	.3117	.3454	.3776	.4083	.4445	.4785	.5433	.6284	.7051	1.0189	1.7411
RP1000/A	.2138	.3312	.4031	.4432	.4828	.5140	.5587	.5971	.6638	.7850	.8701	1.2527	2.0668
RP10000/A	.2563	.4045	.4909	.5363	.5835	.6167	.6657	.7062	.7733	.9295	1.0208	1.4677	2.3377
PMF/A	.5041	.7684	.9625	1.0795	1.1710	1.2682	1.4058	1.5310	1.7719	2.0216	2.2701	3.2490	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 1180 0		STATION NAME BULLARDS BAR PH	ELEV 16	SEC 1800	TWP 24	RNG LOT 18N 07E E	BWM H M	LATITUDE 39.408	LONGITUDE 121.146	COUNTY CODE 58			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.96	7.68	9.14	10.13	11.07	12.11	13.55	14.82	17.56	19.33	22.99	33.67	65.38
5	7.97	10.61	12.77	14.14	15.35	16.68	18.60	20.22	23.72	26.51	31.14	45.29	82.51
10	9.26	12.56	15.16	16.72	18.10	19.57	21.77	23.52	27.35	30.90	36.02	52.28	92.22
20	10.46	14.40	17.39	19.12	20.80	22.23	24.40	26.95	30.36	34.46	40.08	58.49	100.64
25	10.83	14.98	18.09	19.86	21.46	23.05	25.48	27.41	31.53	36.07	41.71	60.39	103.16
40	11.01	16.18	19.53	20.22	21.85	24.75	27.28	29.27	33.51	38.55	44.42	64.26	108.24
50	11.95	16.74	20.20	22.11	23.68	25.53	28.12	30.14	34.42	39.70	45.67	66.04	110.55
100	13.04	18.45	22.25	24.28	26.18	27.92	30.44	32.73	37.13	43.15	49.42	71.39	117.42
200	14.10	20.13	24.25	26.40	28.45	30.23	33.08	35.23	39.72	46.47	53.00	76.51	123.69
1000	16.48	23.94	28.78	31.16	33.53	35.40	38.52	40.75	45.36	53.62	60.89	87.77	137.81
10000	19.75	29.24	35.04	37.78	40.52	42.47	45.89	48.60	52.85	63.72	71.44	102.83	155.86
PMF	38.85	55.55	68.71	75.89	81.32	87.34	96.91	104.50	121.10	138.59	158.87	227.64	357.71
MEAN	6.353	8.347	9.901	10.911	11.898	12.920	14.368	15.597	18.238	20.366	24.035	35.157	66.675
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.016	1.266	1.244	1.280	1.289	1.172	1.182	1.125	.681	1.226	1.087	.893	.492
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	3.667	4.024	4.104	4.206	4.186	3.927	3.907	3.399	3.388	5.237	3.938	3.954	2.037
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1960	1965	1965	1963	1956	1956	1956	1956	1965	1965	1956	1956	1952
RECORD MAXIMUM	10.920	16.960	20.160	23.470	25.360	26.160	28.900	31.100	34.190	44.060	48.010	68.900	97.590
NORMALIZED MAX	1.787	2.180	2.255	2.463	2.450	2.350	2.450	2.474	2.405	2.983	2.478	2.745	1.741
CALC. COEF. VAR	.402	.473	.458	.469	.452	.436	.413	.402	.384	.370	.352	.335	.251
REGION. COEF. VAR	.361	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0953	.1252	.1485	.1637	.1785	.1938	.2155	.2339	.2735	.3055	.3405	.5273	1.0000
RP10/A	.1388	.1884	.2273	.2506	.2715	.2935	.3260	.3527	.4102	.4634	.5402	.7830	1.3832
RP25/A	.1624	.2247	.2713	.2979	.3218	.3456	.3821	.4111	.4730	.5411	.6250	.9058	1.5472
RP50/A	.1793	.2510	.3030	.3316	.3579	.3829	.4217	.4520	.5162	.5854	.6649	.9905	1.6580
RP100/A	.1956	.2767	.3337	.3642	.3927	.4187	.4596	.4909	.5569	.6472	.7412	1.0707	1.7611
RP1000/A	.2471	.3591	.4316	.4673	.5029	.5309	.5777	.6112	.6804	.8072	.9133	1.3164	2.0668
RP10000/A	.2962	.4386	.5256	.5655	.6078	.6370	.6883	.7230	.7926	.9558	1.0715	1.5423	2.3377
PMF/A	.5826	.8331	1.0305	1.1382	1.2197	1.3099	1.4535	1.5673	1.8163	2.0786	2.3828	3.4142	5.3650

PEARSON TYPE III DISTRIBUTION USED

PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 1462 0	STATION NAME CAMPTONVILLE RS	ELEV 18	SEC 2755	TWP 02	RNG LOT 18N 06E 0	BWM M	LATITUDE 39+451	LONGITUDE 121+048	COUNTY CODE 58				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.08	6.67	7.72	8.81	9.72	10.61	11.82	12.95	15.51	17.38	21.21	30.41	59.65
5	6.79	9.21	11.05	12.30	13.48	14.62	16.23	17.68	20.95	23.85	28.72	40.91	75.28
10	7.89	10.91	13.11	14.54	15.91	17.16	18.96	20.56	24.15	27.80	33.22	47.21	86.20
20	8.91	12.51	15.04	16.63	18.15	19.49	21.46	23.17	26.99	31.36	37.24	52.84	91.91
25	9.23	13.01	15.64	17.27	18.85	20.21	22.23	23.97	27.85	32.45	38.47	54.55	94.11
40	9.38	14.05	16.89	17.59	19.20	21.45	23.80	25.40	29.60	34.68	40.97	58.04	98.74
50	10.19	14.53	17.47	19.23	20.96	22.38	24.53	26.35	30.40	35.71	42.12	59.65	102.20
100	11.12	16.02	19.24	21.12	23.00	24.47	26.73	28.62	32.80	38.82	45.57	64.88	107.12
200	12.02	17.48	20.97	22.96	24.93	26.50	28.87	30.80	35.08	41.81	48.86	69.11	113.03
1000	14.05	20.79	24.89	27.10	29.46	31.03	33.60	35.63	40.07	46.41	56.16	79.28	125.72
10000	16.84	25.39	30.31	32.79	35.60	37.24	40.04	42.15	46.68	57.32	65.89	92.89	162.20
PMP	33.12	48.23	59.42	66.01	71.45	76.57	84.55	91.37	106.96	124.67	146.52	205.62	326.35
MEAN	5.416	7.248	8.562	9.491	10.453	11.327	12.536	13.637	16.108	18.320	22.166	31.756	60.829
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.087	1.264	1.439	1.420	1.204	1.113	1.066	1.051	1.262	1.586	1.396	1.419	4.005
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.400	0.200	0.100	0.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.400	0.200	0.100	0.000
KURTOSIS	3.342	4.483	4.942	4.657	4.017	3.915	3.894	3.877	5.342	6.393	5.527	5.964	2.776
N	61	62	61	62	62	61	62	62	62	62	62	62	62
RECORD YEAR	1941	1965	1963	1909	1909	1909	1965	1909	1909	1909	1909	1909	1909
RECORD MAXIMUM	9.580	16.030	18.470	22.240	22.940	23.710	26.230	30.820	40.590	48.600	55.230	74.040	108.300
NORMALIZED MAX	1.081	2.929	2.722	2.961	2.732	2.582	2.636	2.965	3.605	3.182	3.532	3.720	3.720
CALC. COEF. VAR	.409	.414	.425	.454	.437	.423	.414	.425	.448	.422	.440	.423	.429
REGR. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.385	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.385	.291
MEAN/A	.0890	.1192	.1408	.1560	.1718	.1862	.2061	.2242	.2648	.3012	.3644	.5221	1.00000
RP10/A	.1298	.1793	.2155	.2415	.2615	.2820	.3131	.3376	.4069	.4568	.5468	.7760	1.38322
RP25/A	.1518	.2139	.2571	.2840	.3099	.3323	.3654	.3940	.4579	.5335	.6324	.8968	1.54722
RP50/A	.1675	.2389	.2872	.3161	.3446	.3680	.4033	.4332	.4997	.5871	.6924	.9807	1.65860
RP100/A	.1828	.2634	.3163	.3472	.3782	.4023	.4395	.4705	.5391	.6361	.7492	1.0601	1.71034
RP1000/A	.2110	.3418	.4092	.4455	.4843	.5102	.5524	.5858	.6587	.7959	.9232	1.3034	2.08688
RP10000/A	.2768	.4174	.4982	.5391	.5853	.6121	.6583	.6926	.7674	.9424	1.0832	1.5270	2.33377
PMP/A	.5445	.7930	.9769	1.0852	1.1746	1.2588	1.3900	1.5021	1.7584	2.0495	2.4087	3.3803	5.06658

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 1653 0	STATION NAME CHALLENGE RS	ELEV 24	SEC 2560	SEC 19	TWP 19N	RNG LOT 07E 0	BWM M	LATITUDE 39+483	LONGITUDE 121+223	COUNTY CODE 58			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.54	7.41	9.07	10.23	11.17	12.33	13.94	15.41	18.58	20.07	23.99	35.65	66.12
5	7.40	10.23	12.68	14.27	15.49	16.98	19.13	21.03	25.11	27.53	32.48	47.96	83.45
10	8.60	12.11	15.04	16.88	18.27	19.93	22.35	24.46	28.95	32.09	37.57	55.33	93.80
20	9.71	13.68	17.26	19.30	20.65	22.64	25.29	27.56	32.35	36.20	42.13	61.99	108.78
25	10.06	14.44	17.95	20.05	21.65	23.48	26.20	28.50	33.38	37.46	43.51	63.94	104.33
40	10.23	15.59	19.38	20.42	22.04	23.20	26.05	30.44	35.47	40.04	46.34	68.04	109.48
50	11.10	16.13	20.05	22.32	24.07	25.60	28.91	31.34	36.43	41.23	47.64	69.92	113.48
100	12.11	17.78	22.08	24.51	26.42	28.43	31.51	34.04	39.30	44.61	51.55	75.50	116.75
200	13.10	19.40	24.07	26.65	28.70	30.78	34.02	36.64	42.04	48.26	55.29	81.01	125.30
1000	15.31	23.08	28.56	31.45	33.83	36.05	39.61	42.38	48.02	55.89	63.52	92.33	139.37
10000	18.35	28.18	34.78	38.08	40.89	43.25	47.19	50.13	55.94	66.18	74.53	108.08	157.18
PMP	36+09	53.54	68.20	76.81	82.05	88.94	99.86	108.87	128.18	143.92	165.73	241.02	396.77
MEAN	5.902	8.045	9.827	11.015	12.004	13.157	14.775	16.220	19.304	21.149	25.072	37.223	67.430
CLOCK HR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.839	1.496	1.591	1.352	1.165	.885	.705	.565	.359	1.018	.653	.204	-0.084
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
KURTOSIS	3.194	5.988	6.829	5.564	4.657	3.503	3.044	2.830	2.789	5.359	3.539	2.537	1.944
RECORD YEAR	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD MAXIMUM	9.930	17.170	22.650	24.980	25.210	25.210	27.110	30.180	34.090	46.740	48.190	61.240	95.200
NORMALIZED MAX	1.907	3.002	3.331	3.233	2.918	2.405	2.294	2.360	2.304	3.323	2.089	2.062	1.573
CALC. COEF. VAR	.358	.378	.392	.392	.377	.381	.384	.365	.332	.364	.343	.313	.281
REGR. COEF. VAR	.341	.377	.396	.396	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0875	.1193	.1457	.1634	.1780	.1951	.2191	.2405	.2883	.3137	.3716	.5520	1.00000
RP10/A	.1276	.1795	.2231	.2503	.2709	.2956	.3315	.3627	.4293	.4759	.5572	.8206	1.38320
RP25/A	.1492	.2141	.2662	.2973	.3211	.3402	.3885	.4277	.4950	.5556	.6453	.9483	1.54720
RP50/A	.1647	.2393	.2973	.3310	.3570	.3856	.4288	.4644	.5402	.6114	.7065	1.0369	1.65880
RP100/A	.1797	.2637	.3275	.3635	.3916	.4216	.4673	.5068	.5828	.6646	.7645	1.1209	1.74110
RP1000/A	.2270	.3422	.4236	.4604	.5017	.5346	.5874	.6285	.7121	.8288	.9420	1.3782	2.06050
RP10000/A	.2721	.4180	.5158	.5644	.6063	.6415	.6999	.7434	.8296	.9814	1.1052	1.6146	2.33770
PMP/A	.5353	.7940	1.0114	1.1361	1.2168	1.3191	1.4779	1.6117	1.9009	2.1344	2.4578	3.5743	5.06500

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 1916 0			STATION NAME COLGATE PH		ELEV 33	SEC 585	TWP 16	RNG LOT 17N	BWM 07E J M	LATITUDE 39.331	LONGITUDE 121.146	COUNTY CODE 58	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.21	4.22	5.03	5.65	6.23	6.73	7.65	8.52	10.28	11.51	13.93	20.33	39.63
5	4.29	5.83	7.03	7.89	8.64	9.27	10.49	11.62	13.89	15.80	18.86	27.35	50.02
10	4.99	6.90	8.34	9.33	10.19	10.87	12.26	13.52	16.02	18.41	21.82	31.56	55.90
20	5.63	7.92	9.57	10.67	11.63	12.35	13.88	15.23	17.90	20.77	24.46	35.33	61.00
25	5.84	8.23	9.96	11.08	12.08	12.81	14.37	15.76	18.47	21.49	25.27	36.47	62.53
40	5.93	8.89	10.75	11.69	12.49	13.75	15.39	16.83	19.63	22.97	26.91	38.81	65.61
50	6.44	9.20	11.12	12.34	13.43	14.19	15.86	17.33	20.16	23.65	27.66	39.88	67.01
100	7.03	10.14	12.25	13.55	14.73	15.51	17.29	18.82	21.75	25.71	29.93	43.11	71.18
200	7.68	11.07	13.35	14.73	16.01	16.80	18.67	20.25	23.27	27.69	32.11	46.21	75.10
1000	8.88	13.16	15.84	17.39	18.87	19.67	21.73	23.43	26.57	32.06	36.88	53.01	83.53
10000	10.64	16.07	19.29	21.04	22.80	23.60	25.89	27.71	30.96	37.97	43.27	62.10	94.48
PMP	20.93	30.53	37.83	42.35	45.76	48.53	54.68	60.08	70.94	82.57	96.23	137.48	216.84
MEAN	3.424	4.588	5.450	6.089	6.695	7.179	8.106	8.967	10.683	12.134	14.558	21.232	40.417
CLOCK NR. COR.	1.140	1.070	1.049	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.933	2.041	1.752	1.453	1.220	1.077	.848	.387	.401	.816	.770	.644	.185
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	8.765	11.089	9.043	6.741	5.777	4.074	3.382	2.615	2.964	4.364	3.816	3.368	2.359
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1969	1911	1911	1911	1943
RECORD MAXIMUM	8.050	12.460	14.210	15.240	16.070	16.070	16.070	16.070	21.670	26.870	30.770	41.270	67.000
NORMALIZED MAX	3.685	4.442	4.429	3.941	3.441	2.869	2.295	2.921	3.299	3.355	2.992	2.692	2.469
CALC. COEF. VAR	.367	.385	.363	.367	.355	.360	.342	.345	.352	.368	.367	.351	.267
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0847	.1135	.1349	.1507	.1657	.1776	.2066	.2219	.2643	.3002	.3662	.5253	1.0000
RP10/A	.1234	.1708	.2043	.2251	.2421	.2521	.2849	.3045	.3594	.4055	.4996	.7009	1.3832
RP25/A	.1444	.2037	.2463	.2742	.2988	.3169	.3556	.3899	.4570	.5318	.6251	.9024	1.5472
RP50/A	.1594	.2276	.2751	.3053	.3322	.3510	.3925	.4287	.4988	.5852	.6844	.9868	1.6580
RP100/A	.1739	.2509	.3030	.3353	.3645	.3838	.4278	.4656	.5392	.6361	.7406	1.0667	1.7611
RP1000/A	.2197	.3256	.3927	.4362	.4668	.4867	.5377	.5797	.6575	.7823	.9126	1.3115	2.0668
RP10000/A	.2633	.3977	.4773	.5266	.5642	.5839	.6407	.6857	.7660	.9393	1.0707	1.5366	2.3377
PMP/A	.5186	.7555	.9359	1.0478	1.1322	1.2007	1.3529	1.4865	1.7551	2.0429	2.3809	3.4015	5.3650

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A60 2334 0	STATION NAME DEER CREEK PH	ELEV 39	SEC 3700	TWP 35	RNG LOT 17N 10E	BWM M	LATITUDE 39.300	LONGITUDE 120.850	COUNTY CODE 29				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.28	7.21	8.85	10.00	10.99	11.93	13.38	14.76	17.53	19.54	23.24	33.78	65.72
5	7.05	9.96	12.38	13.95	15.24	16.43	18.36	20.14	23.69	26.80	31.47	45.44	82.94
10	8.19	11.79	14.68	16.50	17.98	19.28	21.46	23.43	27.31	31.24	36.40	52.43	92.70
20	9.25	13.52	16.85	18.86	20.52	21.96	24.28	26.40	30.52	35.24	40.82	58.68	101.16
25	9.58	14.06	17.52	19.60	21.31	22.72	25.15	27.31	31.49	36.47	42.16	60.59	103.69
40	9.74	15.18	18.92	19.96	21.70	24.36	26.93	29.16	33.46	38.98	44.90	64.47	108.79
50	10.58	15.71	19.57	21.82	23.70	25.16	27.75	30.02	34.37	40.13	46.16	66.25	111.12
100	11.54	17.32	21.56	23.96	26.08	27.51	30.25	32.61	37.08	43.62	49.95	71.62	116.02
200	12.47	18.89	23.50	26.05	28.25	29.78	32.66	35.10	39.66	46.98	53.57	76.76	124.53
1000	14.58	22.47	27.68	30.74	33.30	34.88	38.02	40.60	45.30	54.41	61.54	88.06	138.52
10000	17.48	27.14	33.95	37.26	40.25	41.95	45.31	48.02	52.78	64.42	72.21	103.16	156.67
PMP	34.37	52.14	66.57	74.69	80.77	86.06	95.67	104.11	120.93	146.11	166.57	228.38	359.55
MEAN	5.621	7.834	9.592	10.767	11.617	12.730	14.184	15.539	18.213	20.589	24.292	35.278	67.019
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.944	1.410	1.342	1.252	1.317	1.233	1.240	1.266	1.177	1.446	1.175	.811	.273
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.016	4.633	4.445	4.124	4.743	4.548	4.849	5.087	4.766	5.821	4.585	3.172	2.179
RECORD YEAR	1914	1956	1963	1963	1964	1964	1964	1964	1964	1965	1969	1969	1943
RECORD MAXIMUM	9.190	16.830	20.340	23.150	28.470	29.720	33.390	36.040	42.470	52.410	56.320	73.440	109.670
NORMALIZED MAX	1.748	2.688	2.618	2.581	3.165	3.074	3.186	3.083	3.130	3.426	3.032	2.731	2.143
CALC. COEF. VAR	.363	.427	.428	.446	.445	.434	.425	.428	.426	.451	.435	.345	.291
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0839	.1169	.1431	.1607	.1763	.1899	.2116	.2319	.2718	.3072	.3625	.5263	1.0000
RP10/A	.1222	.1759	.2191	.2462	.2683	.2877	.3202	.3496	.4075	.4681	.5432	.7823	1.3832
RP25/A	.1429	.2098	.2615	.2924	.3160	.3389	.3753	.4075	.4699	.5442	.6291	.9040	1.5472
RP50/A	.1578	.2344	.2920	.3255	.3536	.3754	.4141	.4400	.5129	.5989	.6887	.9886	1.6580
RP100/A	.1721	.2584	.3216	.3575	.3880	.4104	.4514	.4866	.5533	.6509	.7453	1.0687	1.7611
RP1000/A	.2175	.3353	.4160	.4687	.4949	.5204	.5673	.6056	.6759	.8118	.9163	1.3139	2.0668
RP10000/A	.2607	.4095	.5066	.5551	.6005	.6244	.6760	.7165	.7875	.9613	1.0774	1.5393	2.3377
PMP/A	.5129	.7779	.9933	1.1174	1.2051	1.2840	1.4275	1.5534	1.8644	2.0960	2.3959	3.4076	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BM	LATITUDE	LONGITUDE	COUNTY	CODE			
480 2458 0	DOBBS COLGATE	43	1550	09	17N 07E	0	M	39.340	121.194	58			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.32	4.52	5.27	5.94	6.46	7.05	7.95	8.75	10.53	11.72	14.28	20.95	40.64
5	4.44	6.24	7.37	8.29	8.96	9.71	10.91	11.94	14.23	16.08	19.31	28.18	51.54
10	5.10	7.39	8.75	9.80	10.57	11.40	12.73	13.89	16.41	18.74	22.34	32.51	57.60
20	5.82	8.47	10.04	11.21	12.07	12.95	14.43	15.65	18.34	21.14	25.05	36.39	69.86
25	6.03	8.81	10.44	11.64	12.53	13.43	14.95	16.18	18.92	21.88	25.87	37.57	64.43
40	6.13	9.51	11.27	11.88	12.76	14.41	16.00	17.28	20.11	23.38	27.55	39.98	67.60
50	6.66	9.84	11.66	12.88	13.94	14.87	16.45	17.79	20.85	24.07	28.32	41.09	69.05
100	7.26	10.85	12.84	14.24	15.29	16.26	17.98	19.33	22.28	26.17	30.85	44.42	73.34
200	7.85	11.84	14.00	15.48	16.61	17.60	19.41	20.80	23.83	28.18	32.87	47.60	77.38
1000	9.18	14.08	16.61	18.27	19.58	20.61	22.59	24.06	27.22	32.64	37.77	54.61	86.07
10000	11.00	17.19	20.23	22.11	23.87	24.73	26.92	28.46	31.71	38.64	44.31	63.98	97.35
PMP	21.64	32.66	39.66	44.49	47.50	50.66	58.85	61.70	72.67	84.04	98.54	141.63	223.42
MEAN	3.938	4.908	5.714	6.397	6.950	7.524	8.429	9.209	10.944	12.350	14.907	21.873	41.644
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.800	2.171	1.909	1.865	1.378	1.182	.824	.576	.294	.179	.805	.535	.089
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	8.468	10.742	8.967	6.666	5.477	4.686	3.238	2.634	2.386	3.743	3.847	2.918	2.204
N	66	66	66	66	66	66	66	66	66	66	66	66	66
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	8.100	13.400	15.300	16.450	17.420	17.420	17.420	17.420	19.810	27.270	31.710	42.050	64.280
NORMALIZED MAX	3.066	4.403	4.278	3.920	3.680	3.339	2.737	2.400	2.278	3.200	3.063	2.037	2.063
CALC. COEF. VAR	.352	.393	.392	.401	.409	.394	.390	.372	.359	.377	.369	.350	.293
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
MEAN/A	.0850	.1178	.1372	.1536	.1669	.1807	.2024	.2211	.2628	.2966	.3580	.5252	1.0000
RP10/A	.1238	.1773	.2101	.2354	.2539	.2737	.3062	.3334	.3941	.4499	.5394	.7808	1.3832
RP25/A	.1448	.2115	.2507	.2799	.3010	.3224	.3589	.3888	.4544	.5253	.6212	.9023	1.5472
RP50/A	.1725	.2383	.2799	.3113	.3367	.3570	.3961	.4273	.4989	.5702	.6802	.9865	1.6580
RP100/A	.1744	.2695	.3064	.3419	.3673	.3904	.4317	.4541	.5350	.6283	.7300	1.0665	1.7611
RP1000/A	.2204	.3380	.3989	.4386	.4703	.4950	.5426	.5778	.6536	.7837	.9069	1.3113	2.0668
RP10000/A	.2642	.4128	.4857	.5368	.5684	.5939	.6465	.6834	.7615	.9270	1.0641	1.5363	2.3377
PMP/A	.5196	.7843	.9523	1.0684	1.1406	1.2213	1.3652	1.4816	1.7449	2.0160	2.3861	3.4009	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY	CODE	
480 2500 0	DOWNEVILLE RS		44	2895	35	20N	10E	E	M	39.559	120.830	46	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.66	6.46	7.86	8.84	9.67	10.45	11.89	13.14	15.63	17.39	21.18	30.64	60.15
5	6.22	8.91	10.99	12.33	13.42	14.49	16.31	17.93	21.12	23.86	28.68	41.21	75.90
10	7.25	10.55	13.04	14.58	15.83	16.90	19.08	20.85	24.35	27.80	33.17	47.35	84.83
20	8.16	12.10	14.96	16.67	18.06	19.19	21.57	23.50	27.21	31.37	37.20	53.22	92.58
25	8.45	12.59	15.56	17.32	18.76	19.91	22.34	24.30	28.07	32.40	38.42	54.95	94.90
40	8.60	13.59	16.80	18.64	19.10	21.37	23.92	25.96	29.63	34.64	40.92	58.47	99.56
50	9.33	14.95	17.38	19.28	20.86	22.04	24.65	26.72	30.44	35.72	42.08	60.09	101.69
100	10.18	15.50	19.15	21.18	22.89	24.10	26.87	29.02	33.05	38.03	45.52	64.96	108.01
200	11.01	16.92	20.87	23.03	24.87	26.10	29.01	31.24	35.36	41.02	48.82	69.62	113.97
1000	12.88	20.12	24.77	27.17	29.31	30.56	33.78	36.14	40.39	48.43	58.09	79.88	126.77
10000	15.42	24.57	30.16	32.88	35.43	36.97	40.25	42.74	47.08	57.34	68.80	93.58	143.38
PMP	30.33	46.67	59.13	66.19	71.09	75.41	84.98	92.66	107.81	124.70	146.33	207.12	325.05
MEAN	4.960	7.013	8.520	9.517	10.401	11.155	12.600	13.830	16.237	18.225	22.139	31.988	61.334
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.909	1.373	1.503	1.357	1.084	1.126	.878	.793	.690	1.129	.736	.455	.084
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.894	5.409	6.400	5.563	4.398	4.869	3.984	3.944	3.485	5.189	3.670	2.791	2.167
N	65	65	65	65	65	65	65	65	65	65	65	65	65
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	9.280	15.810	21.320	23.770	23.770	23.770	25.800	28.070	30.730	33.210	44.480	59.590	91.820
NORMALIZED MAX	2.518	3.214	3.769	3.640	3.177	3.268	3.142	3.118	2.781	3.533	2.777	2.300	1.950
CALC. COEF. VAR	.346	.390	.405	.411	.405	.404	.390	.392	.379	.379	.369	.360	.289
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.367	.374	.365	.291
MEAN/A	.0809	.1143	.1389	.1552	.1696	.1819	.2054	.2255	.2647	.2988	.3609	.5215	1.0000
RP10/A	.1178	.1721	.2127	.2378	.2580	.2785	.3108	.3400	.3970	.4533	.5404	.7753	1.3832
RP25/A	.1378	.2052	.2509	.2804	.3059	.3265	.3682	.3982	.4577	.5202	.6207	.8955	1.5832
RP50/A	.1522	.2293	.2834	.3144	.3401	.3594	.4020	.4357	.4996	.5624	.6658	.9707	1.6580
RP100/A	.1660	.2528	.3122	.3453	.3732	.3930	.4361	.4732	.5390	.6031	.7421	1.0591	1.7611
RP1000/A	.2097	.3280	.4038	.4431	.4775	.4983	.5507	.5892	.6585	.7695	.9145	1.3021	2.0668
RP10000/A	.2514	.4008	.4917	.5362	.5776	.5978	.6582	.6965	.7679	.9349	1.0729	1.5255	2.3377
PMP/A	.4945	.7610	.9641	1.0792	1.1591	1.2295	1.3856	1.5106	1.7578	2.0332	2.3859	3.3776	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
A60 2513 0	DRUM FOREBAY	4640	16	16N	11E	M	M	39.249	120.753	29
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	4.22	5.92	7.05	8.02	8.98	9.78	10.96	12.09	14.05	15.54
5	5.64	8.17	9.89	11.19	12.45	13.47	15.04	16.50	18.98	21.31
10	6.56	9.67	11.74	13.23	14.69	15.81	17.57	19.19	21.89	24.84
20	7.40	11.09	13.47	15.13	16.77	17.99	19.89	21.62	24.46	28.02
50	7.87	11.54	14.01	15.71	17.41	18.62	20.60	22.36	25.24	29.00
100	7.80	12.46	15.12	16.00	17.73	19.99	22.06	23.88	26.82	30.99
200	8.46	12.89	15.64	17.49	19.36	20.62	22.73	24.59	27.54	31.91
500	9.23	14.21	17.23	18.21	21.25	22.55	24.77	26.91	30.45	34.25
1000	9.58	15.50	18.78	20.08	24.51	26.75	28.74	31.78	37.36	43.17
10000	11.67	18.44	22.29	24.65	27.21	28.59	31.14	33.25	36.30	43.26
100000	13.99	22.52	27.14	29.83	32.09	34.30	37.11	39.33	42.29	51.23
PMP	27.51	42.78	53.21	60.05	65.99	70.54	78.35	85.26	96.91	111.41
MEAN	4.498	6.428	7.666	8.634	9.655	10.435	11.616	12.725	14.595	16.371
CLOCK HR. COR.	1.140	1.070	1.020	1.020	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.256	1.472	1.490	1.501	1.511	1.522	1.532	1.538	1.538	1.538
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
KURTOSIS	4.915	4.981	4.894	4.888	4.649	4.336	4.319	4.032	2.951	4.200
RECORD YEAR	51	51	51	51	51	51	51	51	51	51
RECORD MAXIMUM	8.28	13.11	16.30	19.51	20.830	22.450	24.320	26.600	28.390	30.780
NORMALIZED MAX	2.372	2.578	2.731	2.855	2.733	2.736	2.725	2.733	2.341	2.929
CALC. COEF. VAR	.368	.403	.412	.431	.423	.421	.401	.401	.404	.390
REGION. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.367
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.367
MEAN/A	.0777	.1110	.1325	.1491	.1668	.1803	.2007	.2198	.2521	.2828
RP10/A	.1332	.1671	.2028	.2285	.2538	.2731	.3036	.3214	.3781	.4291
RP25/A	.1324	.1993	.2420	.2715	.3008	.3216	.3588	.3863	.4359	.5009
RP50/A	.1462	.2227	.2702	.3345	.3562	.3727	.4247	.4758	.5513	.6426
RP100/A	.1595	.2455	.2976	.3319	.3671	.3895	.4280	.4613	.5133	.5992
RP1000/A	.1805	.3185	.3850	.4259	.4700	.4939	.5379	.5743	.6271	.7473
RP10000/A	.2416	.3890	.4688	.5154	.5681	.5926	.6410	.6793	.7306	.8849
PMP/A	.4752	.7390	.9192	1.0373	1.1400	1.2185	1.3535	1.4727	1.6741	1.9245

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
A60 3571 0	GRASS VALLEY	63	2693	27	16N	08E	8	M	39.226	121.059
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	4.32	5.80	7.03	7.95	8.76	9.47	10.80	11.89	14.12	15.54
5	5.77	8.01	9.04	11.10	12.15	13.04	14.02	16.23	19.07	21.31
10	6.70	9.48	11.67	13.12	14.33	15.30	17.32	18.68	21.99	24.84
20	7.57	10.87	13.39	15.00	16.36	17.38	19.60	21.27	24.87	28.02
50	7.84	11.31	13.93	15.59	16.99	18.03	20.30	22.00	25.36	29.00
100	7.97	12.21	15.04	15.87	17.29	19.35	21.74	23.50	26.94	30.99
200	8.66	12.63	15.55	17.35	18.89	19.96	22.40	24.19	27.67	31.91
500	9.44	13.92	17.13	19.05	20.73	21.93	24.42	26.27	29.64	34.25
1000	10.21	15.19	18.68	20.72	22.52	23.64	26.36	28.28	31.94	37.36
10000	11.93	18.07	22.16	24.45	26.54	27.68	30.69	32.71	36.48	43.26
100000	14.30	22.07	26.98	29.59	32.08	33.21	36.57	38.45	42.49	51.23
PMP	28.13	41.92	52.91	59.56	64.37	68.28	77.23	83.88	97.37	111.41
MEAN	4.601	6.299	7.624	8.563	9.418	10.102	11.450	12.519	14.665	16.372
CLOCK HR. COR.	1.140	1.074	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.169	1.275	1.294	1.192	1.131	1.095	.842	.825	.697	1.056
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700
KURTOSIS	4.276	4.858	5.724	4.779	4.704	4.200	3.886	3.988	3.279	4.648
RECORD YEAR	73	73	73	73	73	73	73	73	73	73
RECORD MAXIMUM	8.100	12.320	18.100	19.920	21.260	22.240	24.420	27.570	29.820	37.780
NORMALIZED MAX	2.531	2.751	3.715	3.479	3.322	3.233	3.001	3.142	2.718	3.261
CALC. COEF. VAR	.301	.347	.370	.381	.379	.372	.377	.383	.380	.399
REGION. COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387
USED COEF. VAR	.341	.377	.396	.397	.369	.384	.383	.380	.376	.387
MEAN/A	.0663	.1181	.1430	.1606	.1766	.1894	.2147	.2347	.2780	.3070
RP10/A	.1257	.1777	.2188	.2480	.2687	.2849	.3248	.3539	.4123	.4657
RP25/A	.1470	.2120	.2611	.2922	.3185	.3380	.3807	.4125	.4754	.5488
RP50/A	.1623	.2366	.2916	.3253	.3542	.3743	.4177	.4533	.5189	.5969
RP100/A	.1771	.2611	.3212	.3586	.4093	.4379	.4879	.5266	.5998	.6804
RP1000/A	.2237	.3306	.4155	.4565	.4974	.5190	.5755	.6133	.6839	.8112
RP10000/A	.2682	.4138	.5060	.5548	.6014	.6227	.6857	.7254	.7968	.9605
PMP/A	.5275	.7860	.9921	1.1167	1.2070	1.2604	1.4481	1.5727	1.8257	2.0890

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE
A60 8606 0	STRAWBERRY VALLEY	132	3808	29	20N	08E	L M	39.543	121.109	58	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	6.448	9.35	11.462	12.91	14.05	15.16	17.36	19.34	23.33	25.81	30.61
5	8.65	12.90	15.97	18.01	19.48	20.89	23.82	26.40	31.52	35.41	41.45
10	10.06	15.28	18.95	21.30	22.98	24.51	27.84	30.71	36.34	41.27	47.95
20	11.36	17.52	21.74	24.35	26.23	27.84	31.50	34.40	40.61	46.58	53.76
25	11.76	18.22	22.61	25.30	27.24	28.87	32.63	35.79	41.91	48.18	55.53
40	11.96	19.68	24.61	25.76	27.74	30.99	34.94	38.22	44.53	51.49	59.14
50	12.98	20.36	25.25	28.16	30.29	31.98	36.01	39.35	45.74	53.02	60.80
100	14.16	22.44	27.54	31.24	34.76	35.24	42.74	45.34	57.45	67.45	79.24
200	15.31	24.48	30.32	33.63	36.11	37.86	42.37	46.00	52.78	62.07	70.57
1000	17.90	29.12	35.98	39.69	42.56	44.34	49.33	53.21	60.28	71.08	81.07
10000	21.45	35.56	43.81	48.03	51.44	53.20	58.78	62.94	70.23	85.11	100.00
PMP	42.20	67.56	85.89	96.07	103.24	109.39	124.12	136.45	160.93	195.10	211.51

MEAN	6.901	10.152	12.377	13.899	15.104	16.181	18.402	20.366	24.234	27.261	31.999
CLOCK HR. COR.	1.148	1.676	1.040	1.026	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.329	1.533	1.341	1.239	1.370	1.348	.990	.947	.529	.944	.792
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700

KURTOSIS	4.632	5.247	5.146	4.765	5.071	5.101	4.132	3.965	3.301	4.622	3.925
N	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	11.750	20.560	24.270	26.740	31.800	34.640	36.570	40.050	45.340	57.100	59.530
NORMALIZED MAX	1.919	2.430	2.405	2.387	2.673	2.765	2.510	2.504	2.327	2.866	2.423
CALC. COEF. VAR	.366	.422	.396	.387	.414	.417	.393	.386	.374	.384	.355
REGIONAL COEF. VAR	.341	.377	.356	.357	.389	.384	.383	.376	.387	.374	.365
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374
MEAN/A	.0815	.1199	.1462	.1642	.1785	.1912	.2174	.2408	.2864	.3214	.3781
RP10/A	.1188	.1805	.2239	.2516	.2715	.2896	.3289	.3628	.4294	.4876	.5666
RP25/A	.1390	.2153	.2671	.2989	.3219	.3412	.3855	.4229	.4951	.5593	.6562
RP50/A	.1534	.2405	.2951	.3327	.3579	.3759	.4254	.4549	.5404	.6265	.7156
RP100/A	.1674	.2652	.3286	.3654	.3927	.4131	.4637	.5050	.5800	.6810	.7773
RP1000/A	.2115	.3440	.4251	.4689	.5029	.5238	.5828	.6287	.7123	.8493	.9579
RP10000/A	.2535	.4202	.5176	.5674	.6078	.6285	.6945	.7437	.8298	1.0056	1.1238
PMP/A	.4986	.7983	1.0149	1.1421	1.2198	1.2924	1.4665	1.6122	1.9014	2.1870	2.4499

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE
A70 383 0	AUBURN	2	1300	10	12N	08E	O M	38.899	121.069	31	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	2.82	3.86	4.53	5.02	5.56	5.97	6.65	7.42	8.82	9.84	11.85
5	3.77	5.33	6.33	7.00	7.71	8.23	9.13	10.13	11.91	13.50	16.04
10	4.38	6.31	7.51	8.28	9.10	9.65	10.66	11.78	13.73	15.74	18.56
20	4.95	7.24	8.62	9.47	10.30	10.97	12.07	13.27	15.35	17.76	20.88
25	5.12	7.53	8.97	9.83	10.78	11.37	12.50	13.73	15.84	18.37	21.49
40	5.21	8.13	9.68	10.62	10.98	12.21	13.38	14.66	16.83	19.64	22.89
50	5.45	8.41	10.01	10.95	11.99	12.59	13.79	15.09	17.28	20.22	23.53
100	6.17	9.27	11.03	12.02	13.18	13.77	15.03	16.39	18.65	21.68	25.46
200	6.67	10.12	12.02	13.07	14.29	14.91	16.23	17.64	19.95	23.67	27.41
1000	7.79	12.03	14.27	15.43	16.85	17.46	19.90	20.41	22.78	27.41	31.30
10000	9.34	14.69	17.37	18.67	20.30	20.98	22.52	24.74	26.54	32.46	36.81
PMP	18.38	27.91	34.07	37.58	40.86	43.08	47.55	52.34	60.82	70.59	81.69
MEAN	3.005	4.194	4.909	5.403	5.978	6.373	7.050	7.811	9.159	10.373	12.384
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.717	1.191	1.488	1.423	.980	.833	.563	.522	.348	.495	.527
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700

KURTOSIS	4.535	7.086	7.747	6.811	4.780	3.922	2.839	2.645	2.741	3.287	3.188
N	76	76	76	76	76	76	76	76	76	76	76
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	5.410	9.660	12.580	13.860	13.860	13.860	15.490	18.540	21.690	23.290	33.320
NORMALIZED MAX	2.801	3.948	4.232	3.979	3.497	3.124	2.629	2.803	2.890	2.952	2.543
CALC. COEF. VAR	.336	.368	.358	.358	.377	.378	.368	.378	.354	.368	.336
REGIONAL COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374
MEAN/A	.0886	.1236	.1447	.1592	.1762	.1878	.2077	.2302	.2699	.3057	.3649
RP10/A	.1290	.1860	.2214	.2440	.2680	.2844	.3143	.3471	.4047	.4637	.5469
RP25/A	.1509	.2218	.2642	.2898	.3177	.3351	.3683	.4045	.4667	.5334	.6301
RP50/A	.1668	.2478	.2951	.3248	.3533	.3711	.4068	.4445	.5093	.5798	.6934
RP100/A	.1818	.2732	.3251	.3543	.3877	.4058	.4430	.4831	.5495	.6476	.7503
RP1000/A	.2297	.3545	.4205	.4547	.4964	.5145	.5569	.6015	.6713	.8077	.9246
RP10000/A	.2753	.4338	.5120	.5562	.6080	.6174	.6638	.7114	.7821	.9508	1.1480
PMP/A	.5415	.8225	1.0039	1.1074	1.2044	1.2895	1.4012	1.5423	1.7621	2.0800	2.4123

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 897 0	STATION NAME BLUE CANYON AP	ELEV 8	SEC 5280	TMP 02	RND LOT 16N	8MM 11E	P M	LATITUDE 39.279	LONGITUDE 126.708	COUNTY CODE 31			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.38	6.38	7.72	8.70	9.70	10.65	12.12	13.37	15.91	17.65	21.16	30.76	60.82
5	5.85	8.81	10.79	12.14	13.45	14.68	16.63	18.25	21.50	24.22	28.65	41.38	76.75
10	6.79	10.43	12.80	14.35	15.87	17.22	19.44	21.23	24.79	28.23	33.14	47.74	85.78
20	7.67	11.96	14.69	16.41	18.11	19.57	21.99	23.92	27.70	31.05	37.15	52.43	93.61
25	7.95	12.44	15.28	17.05	18.81	20.29	22.78	24.74	28.58	32.98	38.38	55.17	95.90
40	8.08	13.44	16.49	18.36	19.15	21.70	24.39	26.42	30.37	35.22	40.87	58.70	100.68
50	8.77	13.90	17.06	18.98	20.92	22.47	25.14	27.20	31.19	36.26	42.62	60.33	102.83
100	9.57	15.32	18.79	20.84	22.45	24.57	27.40	29.54	33.65	39.42	45.46	65.21	109.22
200	10.35	16.72	20.49	22.65	24.34	26.00	29.59	31.80	36.00	42.45	48.77	69.08	115.24
1000	12.09	19.88	24.31	26.74	29.39	31.16	34.44	36.78	41.11	49.16	56.62	80.18	128.19
10000	14.49	24.28	29.60	32.36	35.52	37.38	41.04	43.51	47.90	58.21	65.73	93.94	144.98
PMP	28.51	46.13	58.04	65.13	71.29	76.87	86.66	94.32	109.75	126.60	146.17	207.94	332.74

MEAN	4.662	6.932	6.363	9.365	10.430	11.371	12.848	14.678	16.529	18.604	22.113	32.115	62.020
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.195	1.279	1.589	1.844	1.608	1.523	1.135	1.245	1.011	1.027	1.000	1.000	1.000
REGIONAL SKEW USED	1.000	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.719	4.722	5.545	5.496	6.026	5.940	4.980	4.727	3.971	5.008	3.997	3.113	2.367
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	9.330	15.240	19.750	22.330	26.470	32.100	34.65	37.890	47.140	49.740	67.000	106.350	166.350
NORMALIZED MAX	2.505	2.926	2.973	3.100	3.122	3.100	3.340	3.181	2.944	3.429	2.628	2.715	2.185
CALC. COEF. VAR	+4.00	+4.10	+4.60	+4.68	+4.63	+4.51	+4.56	+4.46	+4.39	+4.52	+4.42	+4.09	+3.27
RECN. COEF. VAR	+3.41	+3.77	+3.96	+3.97	+3.89	+3.84	+3.83	+3.80	+3.76	+3.87	+3.74	+3.65	+2.91
USED COEF. VAR	+3.41	+3.77	+3.96	+3.97	+3.89	+3.84	+3.83	+3.80	+3.76	+3.87	+3.74	+3.65	+2.91
MEAN/A	.0752	.1118	.1348	.1510	.1682	.1833	.2072	.2270	.2665	.3000	.3565	.5178	1.0000
RP10/A	.1095	.1682	.2084	.2314	.2558	.2777	.3131	.3423	.3996	.4551	.5313	.7687	1.5472
RP25/A	.1281	.2008	.2474	.2744	.3033	.3271	.3673	.3989	.4608	.5313	.6188	.8895	1.5472
RP50/A	.1414	.2241	.2751	.3060	.3373	.3623	.4054	.4386	.5029	.5847	.6775	.9727	1.6580
RP100/A	.1543	.2471	.3030	.3360	.3701	.3961	.4418	.4764	.5426	.6350	.7331	1.0515	1.7611
RP1000/A	.1950	.3205	.3919	.4312	.4823	.5553	.5933	.6629	.7927	.9033	1.2920	2.4668	2.3377
RP10000/A	.2337	.3915	.4773	.5218	.5727	.6617	.7505	.7723	.9386	1.0598	1.5146	2.3377	2.3377
PMP/A	.4597	.7438	.9358	1.0502	1.1494	1.2394	1.3973	1.5208	1.7696	2.0413	2.3567	3.3529	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 1912 0	STATION NAME COLFAX	ELEV 32	SEC 2418	TMP 03	RND LOT 14N	8MM 09E	P A	LATITUDE 39.099	LONGITUDE 120.952	COUNTY CODE 31			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.79	5.32	6.32	7.10	7.73	8.41	9.35	10.37	12.30	13.63	16.38	23.99	46.63
5	5.06	7.34	8.83	9.91	10.72	11.58	12.83	14.15	16.62	18.69	22.17	32.28	58.87
10	5.88	8.69	10.48	11.72	12.65	13.59	15.00	16.46	19.16	21.79	25.65	37.24	65.80
20	6.64	9.96	12.02	13.39	14.44	15.44	16.97	18.54	21.41	24.58	28.76	41.68	71.80
25	6.88	10.36	12.50	13.92	14.99	16.01	17.58	19.18	22.10	25.44	29.71	43.04	78.60
40	7.00	11.19	13.50	14.17	15.27	17.18	18.82	20.48	23.48	27.19	31.63	45.79	77.22
50	7.59	11.58	13.97	15.49	16.67	17.73	19.40	21.09	24.11	27.99	32.52	47.05	78.87
100	8.29	12.77	15.38	17.01	18.30	19.38	21.14	22.90	26.02	30.43	35.19	50.87	83.77
200	8.96	13.93	16.77	18.50	19.88	20.99	22.83	24.65	27.83	32.77	37.75	54.52	88.39
1000	10.47	16.56	19.90	21.83	23.43	24.58	26.57	28.52	31.78	37.95	43.36	62.55	98.32
10000	12.55	20.23	24.23	26.42	28.32	29.49	31.67	33.73	37.03	44.43	50.88	73.28	111.20
PMP	24.68	38.43	47.51	53.17	56.82	60.65	66.87	73.12	84.85	97.72	113.14	162.22	255.21
MEAN	4.037	5.775	6.846	7.645	8.314	8.971	9.913	10.914	12.779	14.361	17.117	25.053	47.570
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.182	1.926	1.827	1.415	1.231	1.164	1.035	1.736	.399	.916	.510	.268	-0.028
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.800	.600	.600	.600	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	10.411	10.539	7.896	6.291	5.399	4.871	4.269	3.313	2.721	4.718	3.466	2.620	2.195
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1965	1965	1965	1965	1965	1964
RECORD MAXIMUM	10.820	15.890	18.970	20.540	21.360	21.360	21.490	22.370	24.240	33.480	34.790	44.200	71.560
NORMALIZED MAX	4.087	4.521	4.298	4.006	3.776	3.392	2.874	2.656	2.444	3.504	2.885	2.230	1.812
CALC. COEF. VAR	.363	.387	.412	.421	.416	.407	.405	.395	.367	.378	.358	.342	.278
RECN. COEF. VAR	.341	.377	.396	.397	.389	.384	.380	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0849	.1214	.1439	.1607	.1748	.1886	.2084	.2294	.2686	.3019	.3598	.5267	1.0000
RP10/A	.1237	.1827	.2203	.2463	.2659	.2857	.3153	.3459	.4028	.4580	.5392	.7829	1.3832
RP25/A	.1446	.2179	.2629	.2925	.3152	.3365	.3645	.3945	.4645	.5347	.6245	.9047	1.5472
RP50/A	.1597	.2434	.2936	.3259	.3505	.3727	.4078	.4433	.5069	.5805	.6837	.9803	1.6580
RP100/A	.1742	.2603	.3234	.3577	.3866	.4075	.4444	.4815	.5469	.6296	.7508	1.0894	1.7611
RP1000/A	.2118	.3482	.4183	.4588	.4925	.5167	.5586	.5964	.6882	.7877	.9116	1.3148	2.0668
RP10000/A	.2630	.4253	.5093	.5553	.5952	.6200	.6657	.7090	.7784	.9446	1.0695	1.5404	2.3377
PMP/A	.5189	.8679	.9987	1.1178	1.1945	1.2749	1.4056	1.5371	1.7837	2.0843	2.3784	3.4101	5.3650

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A70 2721 0	STATION NAME EL DORADO POWER HOUSE	ELEV 1920	SEC 22	TWP 11N	RNG LOT 12E A	BWM M	LATITUDE 38.793	LONGITUDE 120.619	COUNTY CODE 09				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.72	5.35	6.58	7.32	8.06	8.88	9.80	10.85	12.95	14.54	17.40	25.75	49.99
5	4.98	7.39	9.21	10.22	11.18	12.24	13.45	14.81	17.50	19.95	23.57	34.64	64.09
10	5.78	8.75	10.92	12.08	13.19	14.36	15.72	17.22	20.18	23.25	27.26	39.96	76.51
20	6.53	10.04	12.53	13.81	15.06	16.31	17.78	19.40	22.55	26.23	30.56	44.73	76.95
25	6.76	10.44	13.04	14.35	15.64	16.91	18.42	20.07	23.26	27.14	31.57	46.18	78.87
40	6.88	11.27	14.07	14.61	15.92	17.15	19.73	21.44	24.72	29.01	33.82	49.14	87.75
50	7.47	11.48	14.56	15.07	17.33	18.73	20.33	22.27	25.39	29.47	34.77	50.50	84.82
100	8.14	12.86	16.04	17.55	19.08	20.48	22.16	23.97	27.39	32.47	37.40	54.59	89.78
200	8.81	14.03	17.48	19.08	20.73	22.18	23.92	25.80	29.30	34.97	40.12	58.51	94.73
1000	10.29	16.68	20.74	22.51	24.43	25.97	27.85	29.84	33.47	40.49	46.07	67.12	105.36
10000	12.34	20.37	25.26	27.24	29.53	31.10	33.19	35.30	38.99	47.95	54.07	78.64	119.17
PMP	24.26	38.70	49.52	54.84	59.28	64.07	70.08	76.53	89.34	104.27	120.25	174.08	271.50
MEAN	3.968	5.816	7.136	7.884	8.670	9.478	10.389	11.422	13.455	15.323	18.192	26.884	50.978
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.186	.338	.470	.525	.543	.574	.641	.518	.250	.582	.589	.452	.104
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	2.201	2.293	2.773	2.774	2.668	3.342	3.151	2.984	2.604	3.183	2.764	2.820	2.043
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1960	1956	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1951
RECORD MAXIMUM	5.300	9.100	13.280	14.410	15.330	19.430	20.570	21.880	23.800	29.160	33.380	46.880	72.390
NORMALIZED MAX	1.251	1.660	2.214	2.159	1.991	2.624	2.600	2.494	2.137	2.444	2.235	2.397	1.610
CALC. COEF. VAR	.268	.340	.389	.383	.386	.400	.377	.367	.380	.370	.373	.338	.291
REGION. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0778	.1141	.1400	.1547	.1701	.1859	.2038	.2241	.2639	.3006	.3569	.5274	1.0000
RP10/A	.1134	.1717	.2143	.2370	.2588	.2816	.3093	.3378	.3958	.4560	.5347	.7839	1.3832
RP25/A	.1327	.2044	.2587	.2815	.3068	.3318	.3611	.3937	.4584	.5324	.6193	.9059	1.5472
RP50/A	.1464	.2288	.2856	.3134	.3411	.3674	.3988	.4329	.4981	.5859	.6781	.9906	1.6580
RP100/A	.1598	.2522	.3146	.3442	.3743	.4017	.4346	.4702	.5374	.6369	.7337	1.0709	1.7611
RP1000/A	.2019	.3272	.4069	.4416	.4792	.5094	.5463	.5854	.6565	.7943	.9041	1.3166	2.0688
RP10000/A	.2420	.3996	.4954	.5344	.5793	.6112	.6510	.6942	.7848	.9405	1.0607	1.5425	2.3377
PMP/A	.4760	.7592	.9715	1.0757	1.1625	1.2569	1.3746	1.5012	1.7526	2.0455	2.3588	3.4147	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A70 1113 0	STATION NAME FOLDSOM	ELEV 55	SEC 252	TWP 35	RNG LOT 10N	BWM 07E M	LATITUDE 38.683	LONGITUDE 121.143	COUNTY CODE 34				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.85	3.37	3.73	4.09	4.37	4.90	5.39	6.41	7.09	8.45	12.25	23.27
5	2.82	3.94	4.71	5.21	5.67	6.02	6.72	7.35	8.66	9.72	11.45	16.47	29.36
10	3.28	4.66	5.59	6.16	6.69	7.07	7.86	8.55	9.98	11.33	13.24	19.01	32.82
20	3.71	5.35	6.41	7.04	7.64	8.03	8.89	9.64	11.16	12.78	14.85	21.28	35.81
25	3.84	5.56	6.67	7.32	7.93	8.33	9.21	9.97	11.51	13.23	15.33	21.97	36.71
40	3.90	6.01	7.20	7.85	8.08	8.94	9.86	10.65	12.23	14.14	16.33	23.37	38.52
50	4.24	6.21	7.45	8.15	8.82	9.22	10.16	10.96	12.56	14.56	16.79	24.02	39.34
100	4.62	6.85	8.20	8.95	9.68	10.08	11.08	11.90	13.55	15.82	18.17	25.97	41.79
200	5.00	7.47	8.94	9.73	10.52	10.92	11.96	12.81	14.50	17.04	19.49	27.63	44.09
1000	5.68	8.89	10.61	11.48	12.40	12.76	13.92	14.82	16.56	19.73	22.39	31.92	49.04
10000	7.00	10.86	12.92	13.89	14.98	15.34	16.59	17.53	19.29	23.37	26.26	37.40	55.47
PMP	13.17	20.62	25.33	27.96	30.07	31.54	35.03	38.00	44.20	50.82	58.41	82.80	127.30
MEAN	2.251	3.099	3.650	4.021	4.399	4.666	5.194	5.672	6.657	7.467	8.836	12.787	23.727
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.070	1.438	1.521	1.186	.883	.753	.559	.390	.598	1.117	.963	.702	.234
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	5.112	6.697	7.127	5.554	4.073	3.561	2.954	2.715	3.000	6.206	5.040	4.281	2.181
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1963	1963	1963	1963	1963	1963	1911	1911	1911	1911	1911	1911	1907
RECORD MAXIMUM	4.160	7.270	9.130	9.770	9.770	9.770	9.888	10.940	14.880	19.920	22.040	30.430	39.650
NORMALIZED MAX	2.688	3.732	3.990	3.697	3.262	2.928	2.473	2.526	3.291	3.468	3.952	3.641	2.320
CALC. COEF. VAR	.315	.361	.376	.387	.374	.374	.365	.368	.372	.391	.378	.379	.289
REGION. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0949	.1306	.1538	.1694	.1854	.1966	.2189	.2391	.2806	.3147	.3724	.5389	1.0000
RP10/A	.1383	.1965	.2255	.2517	.2781	.2932	.3312	.3465	.4207	.4775	.5580	.8011	1.3832
RP25/A	.1617	.2244	.2810	.3084	.3344	.3509	.3881	.4201	.4851	.5575	.6463	.9258	1.4742
RP50/A	.1785	.2619	.3138	.3433	.3718	.3886	.4284	.4619	.5294	.6135	.7076	1.0123	1.6580
RP100/A	.1948	.2887	.3457	.3731	.4080	.4249	.4669	.5017	.5712	.6668	.7656	1.0943	1.7611
RP1000/A	.2461	.3746	.4471	.4838	.5225	.5388	.5868	.6246	.6979	.8137	.9435	1.3565	2.0668
RP10000/A	.2950	.4575	.5445	.5855	.6315	.6464	.6992	.7388	.8130	.9647	1.1069	1.5763	2.3377
PMP/A	.5802	.8691	1.0676	1.1765	1.2673	1.3293	1.4766	1.6017	1.8029	2.1417	2.4615	3.4895	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 3134 0	STATION NAME FOREST MILL RS	ELEV 58	SEC 3190	TWP 35	RND LOT 14N	BWM 10E C M	LATITUDE 39.021	LONGITUDE 120.825	COUNTY CODE 31					
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	500	1000	3650
2	4.20	5.85	6.93	7.75	8.57	9.38	10.53	11.72	13.03	15.34	18.25	26.67	51.76	
5	5.62	8.08	9.69	10.81	11.88	12.81	14.45	15.99	18.68	21.04	24.71	35.68	85.33	
10	6.53	9.57	11.50	12.78	14.02	15.03	16.88	18.60	21.54	24.52	28.58	41.40	73.01	
20	7.37	10.97	13.20	14.61	16.00	17.07	19.10	20.96	24.07	27.67	32.05	46.34	79.67	
25	7.63	11.41	13.73	15.18	16.62	17.70	19.79	21.68	24.83	28.63	33.10	47.84	81.67	
40	7.76	12.32	14.82	15.46	16.92	19.00	21.19	23.35	26.39	30.60	35.90	55.66	96.66	
50	8.42	12.75	15.33	16.90	18.48	19.61	21.84	23.84	27.11	31.51	36.24	52.32	87.62	
100	9.19	14.08	16.89	18.56	20.28	21.44	23.80	25.89	29.24	34.25	39.22	56.55	92.96	
200	9.94	15.34	18.41	20.18	22.63	23.21	25.76	27.86	31.28	36.89	42.05	60.61	98.08	
1000	11.61	18.24	21.84	23.82	25.96	27.18	29.92	32.23	35.73	42.72	50.32	70.53	109.10	
10000	13.92	22.27	26.40	28.82	31.38	32.62	35.65	38.12	41.62	50.70	61.46	81.46	123.41	
PMP	27.38	42.31	52.15	56.01	62.97	67.07	75.27	82.65	95.38	110.00	126.08	160.33	283.1	

MEAN	4.478	6.358	7.514	8.341	9.213	9.922	11.166	12.336	14.364	16.165
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	4.411	1.232	1.542	1.621	1.645	1.661	1.687	1.717	1.821	1.921
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.700	.600
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.700	.600
KURTOSIS	4.476	4.078	5.129	5.318	4.915	4.735	4.397	4.061	3.946	5.285
N	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1965	1965	1963	1963	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	8.070	11.070	16.310	18.640	18.930	19.370	23.460	25.370	30.960	38.270
NORMALIZED MAX	2.200	2.129	2.709	2.752	2.901	2.450	2.746	2.701	2.755	3.197
CALC. COEF. VAR	.365	.392	.432	.449	.422	.413	.401	.391	.349	.383
REBN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.374
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.374

MEAN/A	.0848	.1205	.1424	.1580	.1745	.1880	.2114	.2337	.2721	.3062
RP10/A	.1813	.2779	.3264	.3558	.3847	.4046	.4464	.4881	.5545	.5843
RP25/A	.1446	.2102	.2600	.2876	.3148	.3354	.3749	.4107	.4705	.5242
RP50/A	.1596	.2415	.2904	.3202	.3500	.3714	.4137	.4516	.5135	.5669
RP100/A	.1741	.2663	.3199	.3517	.3841	.4061	.4509	.4905	.5540	.5849
RP1000/A	.2208	.3455	.4138	.4512	.4919	.5150	.5667	.6106	.6892	.7429
RP10000/A	.2637	.4220	.5039	.5460	.5945	.6179	.6753	.7223	.8085	.8562
PMP/A	.5188	.8016	.9880	1.0991	1.1930	1.2706	1.4260	1.5658	1.8069	2.3885

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
470 3381 0	GEORGETOWN	60	2720	11	12N	10E O M	38.909	120.834	09

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	3.97	5.78	6.85	7.69	8.30	9.03	9.98	11.03	13.03	14.75
5	5.30	7.98	9.58	10.73	11.51	12.44	13.69	15.06	17.60	20.23
10	6.16	9.45	11.37	12.69	13.58	14.60	16.00	17.52	20.24	23.58
20	6.96	10.84	13.04	14.51	15.50	16.59	18.11	19.74	22.60	26.06
25	7.21	11.27	13.56	15.07	16.09	17.20	18.75	20.42	23.40	27.53
40	7.33	12.17	14.64	15.35	16.38	18.46	20.08	21.80	24.87	29.42
50	7.95	12.59	15.15	16.78	17.89	19.05	20.76	22.45	25.54	30.29
100	8.68	13.08	16.69	18.43	19.63	20.83	22.56	24.38	27.55	32.93
200	9.38	15.15	18.19	20.44	21.33	22.55	24.35	26.24	29.47	35.46
1000	10.96	18.01	21.58	23.65	25.14	26.41	28.35	30.35	33.67	41.07
10000	13.14	22.06	26.26	28.62	30.39	31.69	33.78	35.90	39.22	46.62
PMP	25.85	41.79	51.53	57.60	60.98	65.17	71.34	77.83	89.87	105.75

MEAN	4.227	6.280	7.425	8.282	8.922	9.640	10.577	11.617	13.534	15.540
CLOCK MR. COR.	1.070	1.040	1.040	1.040	1.040	1.040	1.040	1.040	1.040	1.040
CALCULATED SKEW	.947	.906	1.113	1.351	1.193	1.069	1.090	1.013	1.013	1.218
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.700
KURTOSIS	2.859	2.960	3.607	4.580	3.992	3.473	3.503	3.440	3.592	4.353
N	49	49	49	49	49	49	49	49	49	49
RECORD YEAR	1963	1909	1909	1951	1951	1951	1909	1909	1911	1911
RECORD MAXIMUM	6.600	11.610	15.730	19.230	20.610	21.290	22.920	25.210	30.080	35.060
NORMALIZED MAX	1.012	2.172	2.404	2.910	2.859	2.595	2.567	2.661	2.933	2.843
CALC. COEF. VAR	.348	.371	.450	.469	.458	.466	.455	.440	.437	.450
REBN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387

MEAN/A	.0843	.1252	.1401	.1692	.1779	.1923	.2169	.2317	.2699	.3099
RP10/A	.1229	.1885	.2267	.2531	.2708	.2912	.3191	.3493	.4048	.4702
RP25/A	.1437	.2248	.2705	.3063	.3269	.3431	.3748	.4072	.4667	.5490
RP50/A	.1596	.2512	.3021	.3337	.3569	.3769	.4128	.4476	.5094	.5891
RP100/A	.1730	.2769	.3328	.3637	.3916	.4154	.4499	.4862	.5495	.6567
RP1000/A	.2187	.3592	.4304	.4710	.5014	.5254	.5654	.6054	.6714	.8190
RP10000/A	.2621	.4386	.5241	.5767	.6080	.6320	.6738	.7160	.7622	.9098
PMP/A	.5155	.8395	1.0277	1.1408	1.2162	1.2997	1.4228	1.5523	1.7923	2.1923

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 95N ORDER SUB A70 3384 0	STATION NAME GEORGETOWN RS		ELEV 61	SEC 3001	TWP 06	RNG LOT 12N 11E 8	BWM M	LATITUDE 38.925	LONGITUDE 120.748	COUNTY CODE 09			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	500	3650
2	4.45	6.10	7.35	8.19	9.15	9.84	11.14	12.40	14.53	16.35	19.66	28.01	54.03
5	5.94	8.43	10.28	11.42	12.49	13.55	15.29	16.93	19.63	22.43	26.62	37.69	88.19
10	6.91	9.98	12.19	13.51	14.97	15.91	17.87	19.69	22.63	26.14	30.79	43.68	76.21
20	7.80	11.44	13.99	15.44	17.08	18.07	20.22	22.18	25.29	29.50	34.52	48.67	83.17
25	8.08	11.90	14.55	16.04	17.74	18.74	20.94	22.95	26.10	30.52	35.86	50.25	85.25
40	8.21	12.85	15.71	17.11	18.84	20.11	22.42	24.51	27.73	32.62	37.97	51.82	89.45
50	8.92	13.30	16.25	17.66	19.73	20.75	23.11	25.23	28.48	33.59	39.04	54.95	91.36
100	9.73	14.66	17.90	19.62	21.65	22.69	25.19	27.40	30.73	36.51	42.24	59.40	97.04
200	10.52	15.99	19.51	21.33	23.52	24.57	27.19	29.49	32.89	39.32	45.31	63.68	102.39
1000	12.29	19.02	23.15	25.17	27.72	28.77	31.88	34.12	37.54	45.54	52.05	73.03	113.08
10000	14.74	23.23	28.19	30.46	33.50	34.52	37.72	40.36	43.74	53.92	61.07	85.56	128.01
PMP	28.98	44.12	55.27	61.31	67.23	70.98	79.65	87.49	100.23	117.26	135.81	199.40	295.61

MEAN	4.740	6.630	7.965	8.815	9.837	10.501	11.809	13.058	15.094	17.231	20.547	29.251	55.100
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.230	1.321	1.440	1.510	1.585	1.635	1.671	1.694	1.787	1.820	1.904	2.050	2.471
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.337	3.830	4.156	4.071	3.735	3.951	3.380	3.179	2.975	3.964	3.081	2.730	2.307
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1965	1965	1965	1951	1951	1956	1965	1956	1965	1965	1965	1956	1974
RECORD MAXIMUM	7.910	12.390	16.050	19.230	20.810	21.480	23.500	25.820	29.590	37.480	39.240	52.040	84.850
NORMALIZED MAX	1.906	2.036	2.140	2.339	2.309	2.066	2.000	2.221	2.088	2.762	2.287	2.224	1.919
CALC. COEF. VAR	.335	.427	.474	.507	.474	.462	.447	.433	.402	.425	.401	.350	.281
REGR. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0860	.1203	.1445	.1600	.1785	.1906	.2143	.2370	.2739	.3127	.3729	.5309	1.0000
RP10/A	.1254	.1811	.2213	.2451	.2716	.2887	.3242	.3573	.4168	.4745	.5588	.7891	1.3832
RP25/A	.1468	.2180	.2640	.3020	.3220	.3405	.3800	.4165	.4732	.5339	.6472	.9118	1.6472
RP50/A	.1618	.2413	.2949	.3241	.3580	.3766	.4194	.4579	.5170	.6096	.7085	.9972	1.6580
RP100/A	.1766	.2660	.3248	.3560	.3929	.4118	.4571	.4973	.5577	.6626	.7667	1.0780	1.7611
RP1000/A	.2231	.3451	.4202	.4566	.5031	.5222	.5745	.6192	.6814	.8264	.9404	1.3254	2.0668
RP10000/A	.2674	.4215	.5116	.5520	.6086	.6286	.6846	.7324	.7938	.9765	1.1084	1.5528	2.3377
PMP/A	.5260	.8068	1.0032	1.1127	1.2202	1.2893	1.4456	1.5878	1.8190	2.1281	2.4648	3.4374	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 95N ORDER SUB A70 4288 0	STATION NAME IOWA HILL		ELEV 76	SEC 2840	TWP 03	RNG LOT 14N 10E M	BWM M	LATITUDE 39.089	LONGITUDE 120.839	COUNTY CODE 31			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.70	5.21	6.30	7.20	7.98	8.68	9.92	11.21	13.11	14.75	17.49	25.97	51.39
5	4.94	7.19	8.81	10.05	11.07	11.96	13.61	15.30	17.72	20.23	23.69	34.94	64.85
10	5.74	8.51	10.45	11.89	13.09	14.03	15.91	17.80	20.43	23.58	27.40	40.32	72.48
20	6.48	9.76	11.99	13.59	14.91	15.94	18.00	20.05	22.83	26.60	30.72	45.12	79.10
25	6.71	10.15	12.47	14.12	15.48	16.53	18.64	20.75	23.56	27.53	31.73	46.59	81.08
50	6.83	10.97	13.47	14.38	15.76	17.74	19.96	22.14	25.03	29.42	33.79	49.57	85.07
100	7.41	11.34	13.93	15.72	17.21	18.30	20.57	22.81	25.71	30.30	34.74	50.94	86.89
200	8.09	12.51	15.35	17.25	18.69	20.01	22.42	24.77	27.74	32.93	37.59	52.97	92.29
500	8.74	13.64	16.73	18.77	20.52	21.87	24.21	26.67	29.67	35.48	40.32	59.62	97.38
1000	10.22	16.23	19.85	22.15	24.19	25.38	28.19	30.85	33.89	41.07	46.32	67.71	106.31
10000	12.25	19.82	24.17	26.81	29.24	30.45	33.58	36.48	39.48	46.63	54.35	79.33	122.51
PMP	24.09	37.65	47.40	53.95	58.67	62.81	70.92	79.10	90.46	105.76	120.88	175.61	261.15

MEAN	3.939	5.657	6.829	7.758	8.584	9.261	10.514	11.805	13.623	15.542	18.285	27.121	52.405
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.425	1.384	1.366	1.346	1.326	1.313	1.286	1.266	1.246	1.226	1.206	1.186	1.166
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	5.472	5.633	5.165	5.220	5.303	5.294	4.498	3.746	3.170	4.424	3.403	2.429	2.026
N	44	44	44	44	44	44	44	44	44	44	44	44	44
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1967
RECORD MAXIMUM	7.166	11.830	14.880	17.320	19.320	20.570	23.170	25.200	27.180	35.500	37.020	46.500	75.900
NORMALIZED MAX	2.660	3.104	3.069	3.174	3.300	3.139	2.969	2.835	2.625	3.206	2.626	2.184	1.846
CALC. COEF. VAR	.309	.352	.383	.388	.379	.389	.405	.400	.379	.401	.383	.327	.244
REGR. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291

MEAN/A	.0752	.1080	.1303	.1480	.1638	.1767	.2006	.2253	.2600	.2966	.3489	.5175	1.0000
RP10/A	.1095	.1625	.1995	.2268	.2492	.2677	.3035	.3397	.3898	.4499	.5228	.7693	1.3832
RP25/A	.1281	.1938	.2380	.2694	.2954	.3154	.3557	.3959	.4495	.5253	.6055	.8690	1.5472
RP50/A	.1414	.2165	.2658	.2999	.3285	.3492	.3926	.4353	.4908	.5761	.6630	.9721	1.6580
RP100/A	.1543	.2380	.2926	.3293	.3609	.3829	.4309	.4769	.5293	.6079	.7044	1.0509	1.7611
RP1000/A	.1950	.3096	.3708	.4227	.4616	.4842	.5378	.5886	.6466	.7637	.8840	1.2922	2.0668
RP10000/A	.2337	.3782	.4612	.5115	.5579	.5810	.6469	.6982	.7533	.9280	1.0371	1.5137	2.3377
PMP/A	.4597	.7184	.9044	1.0296	1.1196	1.1947	1.3533	1.5093	1.7261	2.0181	2.3863	3.3509	5.3650

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 470 4016 0		STATION NAME KYBURZ-STRAWBERRY		ELEV 5700	SEC 18	TWP 11N	RNG LOT 17E P	BWM M	LATITUDE 38.795	LONGITUDE 120.146	COUNTY CODE 09		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.53	4.99	5.51	6.11	6.42	6.89	7.90	8.58	10.29	12.00	14.28	19.99	39.75
5	6.06	6.89	7.70	8.52	8.91	9.50	10.85	11.71	13.90	16.47	19.34	26.89	50.16
10	7.04	8.16	9.14	10.08	10.50	11.15	12.67	13.63	16.03	19.19	22.37	31.03	56.06
20	7.95	9.35	10.46	11.52	11.99	12.66	14.34	15.35	17.91	21.66	25.09	34.73	61.18
25	8.23	9.73	10.70	11.77	12.45	13.13	14.85	15.88	18.48	22.41	25.91	35.86	62.71
40	8.37	10.51	11.77	12.99	12.68	13.49	15.91	16.94	23.95	27.59	31.19	38.15	65.26
50	9.08	10.87	12.16	13.32	13.85	14.54	16.39	17.46	20.17	24.66	28.37	32.91	67.21
100	9.91	11.98	13.41	14.63	15.19	15.90	17.87	18.96	21.76	26.80	30.69	42.39	71.38
200	10.72	13.07	14.45	15.71	16.50	17.22	19.29	20.41	23.27	28.87	32.92	45.43	75.32
1000	12.52	15.55	17.35	18.78	19.45	20.16	22.46	23.61	26.58	33.43	37.02	52.11	83.78
10000	15.01	18.99	21.12	22.72	23.51	24.19	26.76	27.93	30.97	39.58	44.37	61.06	94.75
PMP	29.53	36.07	41.42	45.73	47.19	49.74	56.51	60.54	70.96	86.09	98.68	135.16	217.46
MEAN	4.829	5.421	5.968	6.575	6.904	7.388	8.378	9.037	10.687	12.651	14.928	20.874	40.533
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.972	.704	.824	.781	.895	.966	.840	.873	.652	.584	.623	.626	-0.125
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.500	.400	.300	.200
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.500	.400	.300	.200
KURTOSIS	4.943	3.182	2.767	2.552	3.070	3.466	3.225	3.087	3.502	3.133	3.445	3.283	2.995
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1962	1963	1962	1951	1951	1965	1965	1965	1965	1951	1951	1951	1969
RECORD MAXIMUM	9.360	10.380	10.976	12.400	13.710	15.470	17.910	18.310	21.750	23.220	26.400	36.890	63.060
NORMALIZED MAX	2.251	1.995	1.747	1.814	2.073	2.329	2.345	2.287	2.356	2.024	2.298	2.052	1.484
CALC. COEF. VAR	.411	.451	.480	.488	.474	.474	.485	.453	.399	.413	.393	.369	.330
REGR. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291
MEAN/A	.1191	.1337	.1472	.1622	.1703	.1815	.2067	.2229	.2637	.3121	.3683	.5150	1.0000
RP10/A	.1736	.2012	.2254	.2486	.2592	.2750	.3127	.3362	.3984	.4735	.5519	.7655	1.3832
RP25/A	.2030	.2408	.2670	.2953	.3079	.3291	.3718	.3952	.4559	.5525	.6392	.8847	1.5472
RP50/A	.2241	.2682	.3004	.3287	.3416	.3587	.4044	.4307	.4976	.6064	.6996	.9674	1.6880
RP100/A	.2445	.2956	.3309	.3610	.3748	.3922	.4448	.4679	.5368	.6613	.7572	1.0457	1.7611
RP1000/A	.3090	.3836	.4280	.4632	.4769	.4974	.5561	.5855	.6858	.8248	.9331	1.2687	2.0688
RP10000/A	.3704	.4689	.5211	.5465	.5801	.5968	.6662	.6886	.7646	.9166	1.0947	1.5063	2.3377
PMP/A	.7285	.8900	1.0219	1.1283	1.1641	1.2271	1.3941	1.4937	1.7508	2.1239	2.4344	3.3346	5.3650

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 470 5909 0	STATION NAME MOUNT DANAMHER	ELEV 96	SEC 34	TWP 05	RNG LOT 12E R	BWM N	LATITUDE 38.744	LONGITUDE 120.667	COUNTY CODE 09				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.39	4.74	5.75	6.40	6.97	7.64	8.62	9.74	11.43	12.87	15.67	22.31	42.93
5	4.53	6.54	8.04	8.93	9.67	10.52	11.82	13.29	15.44	17.66	21.22	30.01	54.18
10	5.26	7.74	9.54	10.56	11.41	12.34	13.82	15.45	17.81	20.58	24.54	34.63	60.55
20	5.94	8.88	10.94	12.08	13.02	14.02	15.63	17.41	19.90	23.22	27.52	38.76	68.88
25	6.15	9.23	11.38	12.55	13.52	14.54	16.19	18.01	20.53	24.03	28.42	40.02	67.73
40	6.26	9.97	12.29	12.78	13.77	15.61	17.34	19.24	21.82	25.68	30.27	42.58	71.07
50	6.79	10.37	12.71	13.97	15.04	16.10	17.87	19.80	22.41	26.44	31.12	43.76	72.59
100	7.41	11.37	14.00	15.34	16.50	17.61	19.48	21.51	24.18	28.74	33.67	47.30	77.10
200	8.01	12.41	15.26	16.48	17.93	19.07	21.03	23.15	25.86	30.56	36.12	50.70	81.35
1000	9.37	14.75	18.11	19.68	21.13	22.33	24.48	26.78	30.85	35.45	41.49	58.16	90.48
10000	11.23	18.02	22.05	23.82	25.54	26.79	29.17	31.67	34.41	42.45	48.68	68.14	102.34
PMP	22.08	34.23	43.24	47.94	51.25	55.09	61.86	68.67	78.84	92.31	108.26	150.84	234.87
MEAN	3.611	5.144	6.230	6.893	7.498	8.149	9.133	10.249	11.874	13.565	16.377	23.295	43.779
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.736	.707	1.041	1.024	.995	1.033	.794	.654	.603	.504	.721	.697	.275
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.500	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.500	.700	.700	.400
KURTOSIS	3.071	2.864	3.480	3.164	3.229	3.674	3.093	2.899	2.991	3.636	3.056	3.126	1.894
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1963	1963	1956	1963	1956	1956	1956	1956	1956	1965	1965	1956	1951
RECORD MAXIMUM	5.630	8.290	12.150	12.970	14.030	16.930	18.110	19.620	21.380	27.090	29.290	41.120	64.390
NORMALIZED MAX	1.569	1.688	2.167	1.922	1.999	2.404	2.281	2.183	2.069	2.504	2.086	2.209	1.777
CALC. COEF. VAR	.356	.362	.439	.358	.445	.440	.431	.419	.384	.398	.378	.334	.265
REGR. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.386	.376	.387	.374	.365	.291
MEAN/A	.0825	.1175	.1423	.1575	.1713	.1861	.2086	.2341	.2712	.3099	.3741	.5321	1.0000
RP10/A	.1202	.1768	.2170	.2413	.2606	.2819	.3156	.3530	.4067	.4701	.5606	.7910	1.3832
RP25/A	.1406	.2109	.2600	.2863	.3089	.3321	.3699	.4114	.4690	.5489	.6492	.9141	1.5472
RP50/A	.1552	.2356	.2903	.3190	.3435	.3678	.4062	.4523	.5118	.6040	.7108	.9996	1.6580
RP100/A	.1693	.2697	.3198	.3504	.3769	.4022	.4449	.4933	.5522	.6555	.7692	1.0858	1.7611
RP1000/A	.2109	.3376	.4130	.4444	.4827	.5189	.5992	.6817	.8066	.9108	.9478	1.3255	2.0688
RP10000/A	.2564	.4116	.5037	.5441	.5834	.6119	.6664	.7235	.7860	.9696	1.1120	1.5564	2.3377
PMP/A	.5044	.7819	.9876	1.0951	1.1707	1.2583	1.4072	1.5686	1.8010	2.1086	2.4728	3.4455	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 19 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 6597 0	STATION NAME PACIFIC HOUSE	ELEV 108	SEC 3440	TWP 3A	RNG LOT 11N 13E	BWM M	LATITUDE 38.750	LONGITUDE 120.560	COUNTY CODE 09				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.10	5.67	6.70	7.37	8.06	8.72	10.00	11.16	12.88	14.43	17.30	25.55	50.39
5	5.48	7.82	9.37	10.29	11.18	12.02	13.72	15.24	17.37	19.79	23.43	34.37	83.59
10	6.37	9.28	11.11	12.17	13.18	14.16	16.03	17.72	20.63	23.37	27.10	39.48	71.08
20	7.19	10.62	12.75	13.91	15.05	16.02	18.14	19.97	22.38	26.03	30.38	44.39	77.56
25	7.45	11.04	13.26	14.45	15.63	16.61	18.79	20.66	23.10	26.93	31.38	45.83	79.51
40	7.58	11.93	14.32	14.72	15.91	17.03	20.12	22.06	24.54	28.78	33.42	48.78	83.42
50	8.22	12.34	14.81	15.29	16.46	17.58	20.64	22.57	25.21	29.68	34.38	50.12	89.20
100	8.97	13.60	16.31	17.67	19.07	20.12	22.80	24.87	27.20	32.22	37.18	51.08	90.50
200	9.70	14.84	17.78	19.21	20.71	21.78	24.40	26.55	29.09	34.70	39.88	58.05	95.49
1000	11.34	17.45	21.10	22.47	24.42	25.51	28.41	30.31	33.23	40.18	45.81	66.61	106.21
10000	13.59	21.56	25.70	27.43	29.61	30.61	33.85	36.33	38.71	47.58	53.75	78.04	120.13
PMP	26.73	40.95	50.38	55.22	59.22	62.94	71.47	78.75	88.70	103.47	119.53	172.75	275.49
MEAN	4.371	6.154	7.260	7.939	8.684	9.311	10.597	11.754	13.358	15.205	18.084	26.679	51.387
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.367	1.065	1.200	1.212	1.204	1.195	1.206	1.111	1.932	1.223	1.104	1.714	2.270
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.176	3.257	3.702	4.001	4.114	4.351	4.179	4.197	4.198	4.932	4.070	3.373	2.022
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1963	1963	1956	1951	1951	1956	1965	1965	1965	1965	1965	1956	1961
RECORD MAXIMUM	7.950	10.870	14.740	17.300	18.370	19.510	20.800	23.620	27.740	33.750	36.270	47.840	76.950
NORMALIZED MAX	2.041	1.845	2.239	2.588	2.517	2.574	2.425	2.584	2.619	3.054	2.620	2.392	1.925
CALC. COEF. VAR	.415	.415	.406	.456	.445	.426	.400	.394	.382	.399	.383	.332	.258
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0851	.1198	.1413	.1545	.1686	.1812	.2062	.2287	.2599	.2959	.3519	.5192	1.0000
RP10/A	.1240	.1802	.2163	.2367	.2566	.2745	.3120	.3449	.3898	.4489	.5217	.7718	1.3832
RP25/A	.1456	.2149	.2581	.2812	.3041	.3233	.3656	.4020	.4495	.5241	.6107	.8919	1.5472
RP50/A	.1800	.2401	.2882	.3130	.3381	.3581	.4035	.4419	.4905	.5768	.6687	.9753	1.6580
RP100/A	.2246	.2647	.3175	.3438	.3711	.3915	.4398	.4800	.5292	.6269	.7235	1.0503	1.7611
RP1000/A	.7206	.3435	.4107	.4412	.4751	.4965	.5528	.5977	.6466	.7819	.8916	1.2962	2.0668
RP10000/A	.2845	.4195	.5000	.5339	.5743	.5957	.6587	.7059	.7533	.9258	1.0460	1.5186	2.3377
PMP/A	.5201	.7970	.9805	1.0746	1.1524	1.2249	1.3949	1.5325	1.7260	2.0135	2.3261	3.3617	5.3656

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 8960 0	STATION NAME PLACERVILLE	ELEV 418	SEC 1898	TWP 07	RNG LOT 10N 11E R	BWM M	LATITUDE 38.136	LONGITUDE 120.797	COUNTY CODE 09				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.02	4.14	4.97	5.82	6.15	6.66	7.39	8.28	9.96	11.08	13.38	19.56	37.90
5	4.04	5.71	6.95	7.84	8.53	9.17	10.15	11.27	13.45	15.20	18.12	26.31	47.06
10	4.69	6.76	8.24	9.27	10.06	10.78	11.86	13.11	15.51	17.71	20.96	30.36	53.48
20	5.30	7.76	9.46	10.80	11.48	12.22	13.42	14.77	17.33	19.99	23.50	33.90	58.34
25	5.49	8.07	9.93	11.01	11.92	12.68	13.90	15.28	17.68	20.68	24.27	35.09	59.80
40	5.58	8.71	10.82	11.21	12.14	13.61	14.88	16.32	19.00	22.10	25.85	37.33	62.75
50	6.06	9.01	10.82	12.26	13.26	14.04	15.34	16.80	19.52	22.78	26.57	38.37	64.09
100	6.81	9.94	12.10	13.46	14.55	15.35	16.72	18.25	21.08	24.74	28.75	41.40	88.07
200	7.15	10.84	13.19	14.84	15.80	16.62	18.05	19.54	22.53	26.64	30.84	44.45	71.92
1000	8.35	12.89	15.65	17.28	18.63	19.47	21.01	22.72	25.73	30.85	35.43	50.99	79.89
10000	10.91	15.75	19.68	20.91	22.52	23.36	25.04	26.80	29.67	36.53	41.57	59.74	90.36
PMP	19.70	29.91	37.36	42.08	45.18	48.03	52.87	58.27	68.68	79.45	92.44	132.25	207.37
MEAN	3.221	4.495	5.384	6.050	6.611	7.104	7.839	8.697	10.344	11.676	13.985	20.425	39.652
CLOCK HR. COR.	1.140	1.670	1.940	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.692	1.706	1.738	1.811	1.859	1.888	1.869	1.898	1.353	1.793	1.646	1.776	1.183
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.016	3.054	3.084	3.359	3.017	3.130	3.280	2.964	2.722	3.975	3.519	2.905	2.675
N	76	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1967	1956	1958	1951	1951	1956	1956	1956	1956	1911	1911	1911	1908
RECORD MAXIMUM	5.280	7.610	10.410	11.730	12.750	14.270	16.270	18.130	19.160	25.860	31.620	41.680	68.870
NORMALIZED MAX	2.530	2.130	2.549	2.589	2.630	2.613	3.003	2.997	2.411	3.285	3.173	2.951	2.800
CALC. COEF. VAR	.253	.325	.386	.383	.353	.359	.358	.363	.353	.370	.366	.353	.279
REGN. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0833	.1163	.1393	.1565	.1710	.1838	.2028	.2250	.2676	.3021	.3618	.5284	1.0000
RP10/A	.1214	.1750	.2132	.2399	.2602	.2784	.3068	.3393	.4013	.4503	.5422	.7855	1.3832
RP25/A	.1420	.2067	.2544	.2849	.3085	.3268	.3596	.3967	.4627	.5351	.6279	.9077	1.5472
RP50/A	.1568	.2332	.2842	.3172	.3430	.3632	.3968	.4347	.5050	.5888	.6875	.9926	1.6580
RP100/A	.1710	.2571	.3130	.3483	.3766	.3971	.4325	.4722	.5448	.6400	.7439	1.0730	1.7611
RP1000/A	.2161	.3335	.4049	.4670	.5182	.5636	.6436	.7162	.8206	.9162	1.139	2.0668	3.3377
RP10000/A	.2591	.4074	.4930	.5469	.6025	.6402	.6470	.6956	.7755	.9482	1.0755	1.5458	2.3377
PMP/A	.5095	.7739	.9667	1.0887	1.1696	1.2425	1.3879	1.5075	1.7769	2.0558	2.3916	3.4216	5.3656

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 7370 0	STATION NAME REPRESA	ELEV 122	SEC 295	TWP 25	RNG LOT 10N 07E F M	BM H	LATITUDE 38.693	LONGITUDE 121-161	COUNTY 34				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.83	3.26	3.64	3.95	4.23	4.68	5.14	6.17	6.83	8.17	11.74	22.20
5	2.86	3.91	4.56	5.07	5.48	5.82	6.42	7.01	8.34	9.37	11.06	15.80	28.02
10	3.32	4.63	5.41	6.00	6.47	6.83	7.50	8.16	9.81	10.92	12.79	18.23	31.32
20	3.75	5.31	6.21	6.86	7.38	7.76	8.49	9.19	10.74	12.32	14.34	20.40	34.18
25	3.89	5.52	6.46	7.12	7.67	8.05	8.80	9.51	11.08	12.74	14.81	21.06	35.03
40	3.95	5.96	6.97	7.66	8.21	8.64	9.42	10.15	11.73	13.62	15.77	22.41	36.76
50	4.17	6.17	7.21	7.93	8.53	8.99	9.71	10.45	12.10	14.02	16.32	23.03	37.84
100	4.68	6.80	7.94	8.71	9.36	9.74	10.58	11.35	13.05	15.24	17.55	24.90	39.87
200	5.06	7.42	8.66	9.47	10.17	10.55	11.42	12.22	13.96	16.42	18.82	26.69	42.07
500	5.92	8.82	10.27	11.18	11.98	12.35	13.30	14.13	15.94	19.01	21.62	30.81	46.80
10000	7.09	10.77	12.51	13.53	14.48	14.92	15.85	16.72	18.57	22.51	25.37	35.87	52.93
PMP	13.95	20.47	24.53	27.23	29.06	30.48	33.46	36.24	42.56	48.96	56.42	79.40	121.47
MEAN	2.281	3.076	3.535	3.914	4.252	4.509	4.961	5.409	6.410	7.195	8.535	12.263	22.642
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.320	1.651	1.514	1.363	1.038	.794	.463	.329	.612	1.424	1.170	.902	.492
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.677	6.811	6.045	5.626	4.426	3.625	2.872	2.641	3.755	7.739	5.477	4.082	2.957
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1963	1963	1963	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911
RECORD MAXIMUM	4.540	7.310	8.330	9.040	9.490	9.490	9.970	10.560	14.490	19.870	21.130	26.900	43.120
NORMALIZED MAX	3.029	3.599	3.444	3.333	3.255	3.013	2.964	2.857	3.431	4.562	3.923	3.133	3.121
CALC. COEF. VAR	.327	.383	.394	.391	.378	.307	.348	.352	.367	.388	.376	.358	.350
REGION. COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.384	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.1007	.1358	.1561	.1729	.1878	.1991	.2191	.2389	.2831	.3178	.3770	.5416	1.0000
RP10/A	.1468	.2044	.2396	.2649	.2857	.3017	.3315	.3602	.4265	.4851	.5649	.8051	1.3832
RP25/A	.1717	.2438	.2882	.3167	.3376	.3537	.3835	.4168	.4885	.5697	.6723	.9333	1.5472
RP50/A	.1896	.2724	.3185	.3503	.3766	.3935	.4287	.4616	.5342	.6194	.7162	1.0174	1.6580
RP100/A	.2068	.3003	.3508	.3847	.4133	.4303	.4673	.5013	.5764	.6733	.7750	1.0998	1.7611
RP1000/A	.2612	.3896	.4538	.4936	.5292	.5457	.5873	.6242	.7042	.8397	.9550	1.3521	2.0668
RP10000/A	.3133	.4759	.5525	.5914	.6266	.6547	.6999	.7383	.8393	.9943	1.1205	1.5841	2.3377
PMP/A	.6100	.9040	1.0834	1.2024	1.2836	1.3462	1.4779	1.6006	1.8798	2.1623	2.4916	3.5068	5.3550

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 470 9105 0	STATION NAME TWIN LAKES	ELEV 338	SEC 7829	TWP 18	RNG LOT 10E O M	BM H	LATITUDE 38.706	LONGITUDE 120.040	COUNTY 02				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.36	4.82	5.70	6.40	7.05	7.73	8.84	9.88	11.66	12.99	15.49	22.76	45.74
5	4.50	6.65	7.96	8.93	9.78	10.65	12.13	13.49	15.75	17.82	20.97	30.62	57.72
10	5.22	7.87	9.45	10.56	11.53	12.49	14.18	15.69	18.16	20.76	24.26	35.33	64.51
20	5.90	9.03	10.84	12.08	13.18	14.19	16.04	17.68	20.30	23.43	27.20	39.55	70.40
25	6.11	9.39	11.28	12.55	13.67	14.72	16.62	18.28	20.94	24.24	28.69	40.83	72.16
40	6.21	10.14	12.17	13.78	14.92	15.80	17.79	19.53	22.25	25.91	29.92	43.44	75.72
50	6.50	10.49	12.59	13.97	15.20	16.30	18.34	20.10	22.86	26.68	30.76	44.65	77.33
100	7.36	11.57	13.87	15.34	16.68	17.82	19.99	21.83	24.66	29.00	33.28	48.26	82.14
200	7.95	12.62	15.12	16.68	18.12	19.30	21.58	23.50	26.38	31.23	35.70	51.73	86.67
1000	9.30	15.01	17.54	19.69	21.36	22.60	25.12	27.18	30.13	36.16	41.01	59.34	96.40
10000	11.14	18.33	21.85	23.82	25.81	27.11	29.93	32.15	35.10	42.82	48.11	69.52	109.03
PMP	1.92	34.82	42.84	47.95	51.80	55.75	63.21	69.71	80.42	93.13	106.99	153.90	250.24
MEAN	3.584	5.233	6.173	6.894	7.578	8.248	9.372	10.404	12.112	13.685	16.186	23.769	46.642
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.125	1.525	1.296	1.148	1.123	1.121	1.261	1.289	1.183	1.369	1.127	1.861	1.659
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.900	.800	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.900	.800	.600	.800	.700	.400
KURTOSIS	4.121	5.767	7.296	8.820	4.134	5.095	4.845	5.035	4.623	5.483	4.075	3.594	2.790
N	51	51	51	51	51	51	51	51	51	51	51	51	50
RECORD YEAR	1956	1963	1963	1963	1956	1956	1956	1969	1969	1965	1965	1965	1965
RECORD MAXIMUM	6.710	11.140	14.950	15.470	16.400	19.960	21.710	23.590	26.950	34.870	36.960	49.300	78.960
NORMALIZED MAX	2.039	2.860	3.236	2.940	2.886	3.439	3.083	3.021	2.867	3.424	3.033	2.673	2.146
CALC. COEF. VAR	.332	.395	.395	.423	.403	.413	.427	.420	.427	.452	.423	.402	.323
REGION. COEF. VAR	.341	.377	.396	.397	.389	.394	.383	.380	.376	.387	.374	.365	.291
USED COEF. VAR	.341	.377	.396	.397	.389	.394	.383	.380	.376	.387	.374	.365	.291
MEAN/A	.0768	.1122	.1324	.1478	.1625	.1768	.2009	.2231	.2597	.2934	.3470	.5096	1.0000
RP10/A	.1120	.1688	.2026	.2265	.2472	.2678	.3049	.3363	.3894	.4452	.5200	.7575	1.3832
RP25/A	.1310	.2013	.2418	.2690	.2930	.3155	.3563	.3920	.4490	.5197	.6023	.8754	1.5472
RP50/A	.1446	.2250	.2700	.2995	.3258	.3494	.3932	.4310	.4900	.5719	.6594	.9572	1.6580
RP100/A	.1577	.2480	.2974	.3289	.3576	.3821	.4285	.4681	.5287	.6217	.7135	1.0348	1.7611
RP1000/A	.1993	.3218	.3847	.4221	.4576	.4865	.5386	.5826	.6459	.7754	.8792	1.2722	2.0668
RP10000/A	.2389	.3930	.4684	.5108	.5534	.5813	.6418	.6894	.7525	.9181	1.0315	1.4905	2.3377
PMP/A	.4699	.7466	.9185	1.0281	1.1105	1.1953	1.3552	1.4945	1.7243	1.9967	2.2939	3.2996	5.3650

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A80 1500 0	STATION NAME CAPAY 4W	ELEV 288	SEC 290	TWP 20	RNG LOT 10N 02W	BWM E M	LATITUDE 38.705	LONGITUDE 122.117	COUNTY CODE 57				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.63	3.32	3.78	4.17	4.54	4.88	5.56	6.00	6.98	7.55	8.74	12.78	22.20
5	3.69	4.79	5.42	5.93	6.44	6.89	7.79	8.33	9.61	10.45	12.00	17.56	28.85
10	4.37	5.76	6.50	7.07	7.67	8.17	9.18	9.76	11.16	12.23	13.95	20.42	32.62
20	5.00	6.68	7.51	8.12	8.81	9.34	10.44	11.04	12.53	13.92	15.70	22.99	35.89
25	5.20	6.97	7.82	8.45	9.17	9.70	10.83	11.44	12.94	14.31	16.23	23.77	36.87
40	5.30	7.57	8.47	8.61	9.34	10.44	11.62	12.24	13.78	15.32	17.32	25.36	38.84
50	5.79	7.85	8.78	9.44	10.24	10.79	11.99	12.61	14.17	15.78	17.82	26.09	39.74
100	6.37	8.70	9.70	10.40	11.27	11.84	13.11	13.73	15.33	17.17	19.32	28.29	42.41
200	6.93	9.54	10.61	11.33	12.28	12.86	14.19	14.81	16.43	18.51	20.75	30.40	44.92
1000	8.18	11.44	12.66	13.43	14.54	15.14	16.58	17.19	18.84	21.48	23.91	35.03	50.32
10000	9.41	14.09	15.49	16.31	17.66	18.25	19.84	20.40	22.03	25.48	28.14	41.22	57.34
PMP	19.94	27.23	30.71	33.13	35.82	38.00	42.36	44.68	51.12	55.70	63.14	92.54	135.73
MEAN	2.837	3.655	4.022	4.510	4.908	5.238	5.925	6.341	7.272	7.974	9.157	13.392	22.698
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.592	.633	.686	.991	1.032	.954	.895	.819	.671	.585	.599	.735	.742
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	2.633	2.868	3.156	3.901	4.283	3.994	3.735	3.325	2.793	2.673	2.616	3.013	3.190
N	84	84	84	84	84	84	84	84	84	84	84	84	84
RECORD YEAR	1932	1956	1911	1893	1911	1911	1911	1911	1938	1938	1914	1911	1941
RECORD MAXIMUM	4.470	6.530	7.970	9.320	10.770	11.030	12.650	13.340	14.680	16.410	17.830	27.670	47.370
NORMALIZED MAX	1.661	2.273	2.698	2.927	3.209	2.994	2.870	2.802	2.519	2.659	2.379	2.550	2.945
CALC. COEF. VAR	.348	.346	.346	.364	.372	.369	.396	.394	.404	.398	.398	.424	.369
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1250	.1610	.1816	.1987	.2162	.2308	.2610	.2794	.3204	.3513	.4034	.5900	1.0000
RP10/A	.1925	.2537	.2863	.3114	.3380	.3598	.4043	.4298	.4915	.5386	.6147	.8998	1.4371
RP25/A	.2291	.3070	.3446	.3724	.4038	.4273	.4770	.5038	.5701	.6097	.7152	1.0471	1.6243
RP50/A	.2552	.3456	.3867	.4180	.4505	.4754	.5284	.5556	.6242	.6951	.7850	1.1494	1.7508
RP100/A	.2805	.3833	.4275	.4582	.4965	.5216	.5775	.6048	.6752	.7565	.8511	1.2483	1.8683
RP1000/A	.3604	.5041	.5576	.5915	.6400	.6668	.7306	.7573	.8298	.9462	1.0535	1.5431	2.2171
RP10000/A	.4366	.6207	.6823	.7186	.7778	.8040	.8741	.8988	.9704	1.1224	1.2539	1.8159	2.5262
PMP/A	.8806	1.1996	1.3528	1.4596	1.5783	1.6742	1.8663	1.9682	2.2522	2.4537	2.7816	4.0768	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A80 1807 0	STATION NAME CLEARLAKE PARK	ELEV 1320	SEC 20	TWP 13N	RNG LOT 07W	BWM M	LATITUDE 38.983	LONGITUDE 122.177	COUNTY CODE 17				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.61	3.31	3.65	4.01	4.31	4.67	5.21	5.65	6.55	7.51	9.21	13.04	23.22
5	3.66	4.76	5.23	5.71	6.12	6.60	7.30	7.84	9.02	10.40	12.65	17.91	30.18
10	4.33	5.73	6.28	6.80	7.28	7.82	8.59	9.18	10.47	12.15	14.71	20.84	34.12
20	4.96	6.65	7.25	7.81	8.37	8.94	9.77	10.39	11.76	13.75	16.55	23.45	37.54
25	5.16	6.94	7.55	8.13	8.70	9.28	10.14	10.76	12.15	14.24	17.11	24.25	38.57
40	5.25	7.53	8.18	8.28	8.97	10.00	10.88	11.51	12.94	15.23	18.25	25.87	40.63
50	5.74	7.81	8.48	9.08	9.72	10.33	11.23	11.86	13.30	15.69	18.78	26.61	41.57
100	6.31	8.66	9.37	10.00	10.70	11.33	12.27	12.92	14.39	17.08	20.36	28.86	44.36
200	6.87	9.50	10.25	10.90	11.66	12.31	13.28	13.93	15.42	18.41	21.87	31.01	46.99
1000	8.11	11.39	12.22	12.91	13.61	14.49	15.53	16.17	17.68	21.36	25.20	35.73	52.65
10000	9.83	14.03	14.96	15.65	16.76	17.47	18.58	19.18	20.68	25.34	29.65	42.05	59.98
PMP	19.82	27.11	29.66	31.86	34.02	36.38	39.66	42.03	48.00	55.40	66.54	94.40	141.99
MEAN	2.814	3.638	3.981	4.338	4.660	5.014	5.547	5.966	6.827	7.931	9.650	13.661	23.745
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.447	1.131	.987	.855	1.201	.818	.198	.512	.138	.289	.394	.401	.517
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	2.478	5.284	4.915	4.158	5.329	4.788	3.501	3.946	3.001	3.510	4.236	2.966	3.451
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1970	1956	1956	1958
RECORD MAXIMUM	4.020	6.450	6.880	6.980	8.070	8.420	8.640	9.030	10.340	11.970	15.760	21.490	38.070
NORMALIZED MAX	1.475	2.502	2.577	2.184	2.762	2.689	2.335	2.579	2.106	2.062	2.550	2.025	2.458
CALC. COEF. VAR	.291	.430	.283	.279	.265	.253	.239	.244	.247	.248	.248	.248	.259
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1185	.1532	.1677	.1827	.1962	.2112	.2336	.2513	.2875	.3340	.4064	.5753	1.0000
RP10/A	.1825	.2415	.2643	.2863	.3068	.3292	.3618	.3886	.4411	.5121	.6193	.8775	1.4371
RP25/A	.2172	.2921	.3217	.3481	.3689	.3920	.4269	.4531	.5117	.5907	.7172	1.0211	1.6458
RP50/A	.2419	.3289	.3570	.3825	.4093	.4350	.4729	.4996	.5602	.6609	.7908	1.1209	1.7508
RP100/A	.2659	.3648	.3947	.4212	.4506	.4773	.5169	.5440	.6060	.7193	.8574	1.2154	1.8603
RP1000/A	.3417	.4797	.5148	.5439	.5814	.6101	.6539	.6810	.7448	.8697	1.0613	1.5047	2.2171
RP10000/A	.5907	.7029	.7689	.7962	.8359	.8683	.9079	.9382	1.0392	1.2487	1.4762	2.1762	2.9332
PMP/A	.8349	1.1416	1.2490	1.3419	1.4325	1.5320	1.6703	1.7701	2.0214	2.3332	2.8022	3.9755	5.9800

PEARSON TYPE III DISTRIBUTION ESTIMATE
 PROBABLE MAXIMUM PRECIPITATION ESTIMATED BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A80 4010 0	STATION NAME HOBERGS	ELEV 70	SEC 2960	TWP 35	RNG LOT 12N 08W	BWM M	LATITUDE 38.850	LONGITUDE 122.717	COUNTY COLE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.07	7.99	9.33	10.17	10.98	11.79	13.13	14.17	16.79	18.80	22.39	31.95	56.40
5	8.50	11.50	13.40	14.48	15.59	16.65	18.38	19.68	23.11	26.02	30.74	43.90	73.31
10	10.07	13.84	16.06	17.25	18.56	19.73	21.65	23.03	26.83	30.42	35.74	51.06	82.89
20	11.53	16.05	18.55	19.83	21.32	22.56	24.62	26.07	30.12	34.40	40.22	57.46	91.25
25	11.98	16.73	19.33	20.63	22.18	23.43	25.64	27.00	31.12	35.62	41.88	59.41	93.69
40	12.21	16.18	20.94	21.02	22.60	25.23	27.42	28.89	33.14	38.11	44.36	63.39	98.70
50	13.35	18.86	21.69	23.04	24.77	26.29	28.29	29.77	34.07	39.26	45.64	65.22	100.98
100	14.67	20.91	23.98	25.38	27.27	28.60	30.92	32.41	36.86	42.73	49.48	70.72	107.76
200	15.96	22.93	26.22	27.83	29.71	31.06	33.46	34.95	39.51	46.07	53.16	75.98	114.15
1000	16.86	27.50	31.28	32.77	35.19	36.56	39.12	40.58	45.30	53.44	61.25	87.55	127.88
10000	22.64	33.86	38.28	39.81	42.73	44.08	46.80	48.16	52.97	63.39	72.07	103.03	145.70
PMP	46.07	65.44	75.90	80.86	86.70	91.80	99.92	105.47	122.94	138.59	161.73	231.31	344.91
MEAN	6.540	8.784	10.187	11.008	11.876	12.653	13.974	14.970	17.487	19.842	23.456	33.475	57.678
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.067	1.066	1.117	1.139	1.048	1.129	1.270	1.167	1.813	1.738	1.714	1.469	1.923
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	7.932	5.944	4.385	5.668	7.371	7.223	6.257	5.525	4.084	3.661	3.724	2.777	3.851
N	42	42	42	42	42	42	42	42	35	42	42	42	42
RECORD YEAR	1938	1938	1938	1956	1956	1956	1956	1956	1956	1956	1956	1941	1938
RECORD MAXIMUM	14.200	20.500	21.600	26.490	30.160	30.910	33.450	34.920	36.990	40.540	48.690	62.890	112.500
NORMALIZED MAX	2.910	2.091	2.733	3.324	3.794	3.778	3.673	3.467	2.651	2.590	2.822	2.262	2.721
CALC. COEF. VAR	.402	.461	.410	.423	.406	.382	.379	.384	.421	.401	.381	.388	.349
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A80 4097 0	STATION NAME MOPLAND 8NE	ELEV 2510	SEC 32	TWP 14N	RNG LOT 10W	BWM M	LATITUDE 39.017	LONGITUDE 123.000	COUNTY COLE 17				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.46	4.80	5.44	5.97	6.48	6.84	7.85	8.68	9.99	11.17	14.04	20.18	39.20
5	4.86	6.90	7.81	8.50	9.20	9.66	10.99	12.05	13.76	15.45	19.27	27.72	50.95
10	5.75	8.31	9.36	10.12	10.96	11.44	12.94	14.11	15.97	18.07	22.41	32.25	57.61
20	6.59	9.64	10.92	11.64	12.58	13.08	14.72	15.96	17.93	20.43	25.22	36.29	63.38
25	6.84	10.05	11.27	12.11	13.09	13.59	15.27	16.53	18.52	21.16	26.07	37.53	65.11
40	6.97	10.91	12.21	13.33	14.64	15.39	17.70	19.73	22.64	27.01	40.04	60.59	98.59
50	7.62	11.32	12.65	13.52	14.62	15.12	16.91	18.23	20.28	23.32	36.62	55.19	70.18
100	8.38	12.55	13.98	14.89	16.09	16.59	18.49	19.85	21.94	25.38	31.02	44.66	74.89
200	9.12	13.76	15.29	16.23	17.53	18.02	20.01	21.41	23.52	27.36	33.33	47.99	70.33
1000	10.77	16.51	18.24	19.23	20.76	21.21	23.39	24.85	26.96	31.75	38.40	55.30	88.88
10000	13.04	20.23	22.32	23.36	25.21	25.57	27.98	29.50	31.53	37.06	45.19	65.08	101.28
PMP	26.31	39.38	44.25	47.45	51.16	53.25	59.74	64.59	71.18	82.33	101.40	146.10	239.71
MEAN	3.735	5.272	5.946	6.460	7.008	7.346	8.355	9.168	10.410	11.786	14.766	21.143	40.086
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.538	1.816	1.992	1.900	1.895	1.896	1.984	1.857	1.961	2.498	1.642	1.232	1.192
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	6.657	7.915	8.690	7.840	7.451	7.280	8.014	7.469	8.373	11.199	5.927	4.185	2.251
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1968	1968	1968	1965	1965	1965	1965	1965	1965	1965	1965	1965	1968
RECORD MAXIMUM	7.510	12.570	14.070	15.100	16.470	17.070	18.610	20.190	22.460	26.260	29.210	37.770	58.180
NORMALIZED MAX	2.386	2.884	3.084	3.083	3.044	3.007	3.164	3.126	3.240	3.536	2.774	2.377	1.837
CALC. COEF. VAR	.424	.483	.444	.434	.444	.441	.388	.384	.357	.399	.356	.331	.246
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.0932	.1315	.1482	.1612	.1748	.1831	.2084	.2287	.2597	.2940	.3669	.5274	1.0000
RP10/A	.1435	.2073	.2336	.2526	.2733	.2854	.3228	.3519	.3984	.4508	.5590	.8045	1.4371
RP25/A	.1707	.2508	.2812	.3020	.3265	.3391	.3809	.4124	.4621	.5278	.6509	.9361	1.6243
RP50/A	.1902	.2823	.3155	.3374	.3646	.3712	.4242	.4568	.5088	.5818	.7139	1.0276	1.7508
RP100/A	.2051	.3131	.3489	.3716	.4015	.4139	.4612	.4952	.5473	.6332	.7740	1.1142	1.6683
RP1000/A	.2686	.4118	.4550	.4798	.5180	.5291	.5834	.6200	.6727	.7820	.9580	1.3795	2.2171
RP10000/A	.3254	.5071	.5560	.5828	.6290	.6379	.6980	.7358	.7866	.9394	1.1272	1.6234	2.5262
PMP/A	.6594	.9799	1.1040	1.1837	1.2763	1.3284	1.4903	1.6114	1.8257	2.0537	2.5295	3.6447	5.9600

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 460 4700 0	STATION NAME LAKEPORT 2NW	ELEV 1475	SEC 14	TWP 14N	RNG LOT 10W 0	BM M	LATITUDE 39.038	LONGITUDE 122.936	COUNTY 17				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.93	3.94	4.49	4.99	5.40	5.84	6.57	7.13	8.35	9.17	11.36	16.88	30.49
5	4.11	5.68	6.44	7.10	7.67	8.25	9.20	9.90	11.50	12.69	15.60	23.19	39.63
10	4.87	6.83	7.72	8.46	9.14	9.77	10.83	11.59	13.35	14.84	18.14	26.97	44.80
20	5.57	7.92	8.92	9.73	10.49	11.17	12.32	13.11	14.99	16.79	20.42	30.35	49.29
25	5.79	8.26	9.30	10.10	10.92	11.60	12.78	13.58	15.49	17.38	21.11	31.38	50.64
40	5.90	8.97	10.07	10.31	11.12	12.49	13.72	14.54	16.49	18.60	22.52	33.48	53.35
50	6.45	9.31	10.43	11.30	12.19	12.91	14.15	14.98	16.96	19.16	23.17	34.45	54.58
100	7.09	10.32	11.54	12.45	13.42	14.16	15.47	16.31	18.34	20.85	25.12	37.35	58.25
200	7.72	11.32	12.61	13.57	14.62	15.38	16.74	17.59	19.66	22.48	26.99	40.13	61.70
1000	9.11	13.57	15.04	16.07	17.32	18.11	19.57	20.42	22.54	26.08	31.09	46.25	69.12
10000	11.04	16.71	18.41	19.53	21.03	21.83	23.41	24.23	26.36	30.93	36.58	54.42	78.76
PMP	22.27	32.29	36.50	39.66	42.67	45.46	49.99	53.06	61.18	67.62	82.09	122.18	186.43
MEAN	3.161	4.335	4.900	5.400	5.845	6.266	6.992	7.532	8.703	9.681	11.960	17.682	31.176
CLOCK HR. COR.	1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.168	1.185	.925	.744	.681	.686	.292	.201	-.101	-.692	.716	.646	
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700	.400	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.998	4.210	3.538	3.275	3.701	3.299	3.831	3.508	2.968	2.798	3.914	3.262	3.196
N	33	33	33	33	33	33	32	32	32	32	32	32	32
RECORD YEAR	1938	1963	1963	1956	1956	1956	1956	1941	1941	1956	1941	1941	1941
RECORD MAXIMUM	5.510	8.080	8.790	9.770	11.110	11.720	13.010	13.480	14.810	15.690	22.510	33.960	56.640
NORMALIZED MAX	1.990	2.207	2.207	2.234	2.697	2.534	2.642	2.356	2.178	2.027	2.613	2.620	2.402
CALC. COEF. VAR	.374	.391	.360	.362	.362	.363	.326	.335	.322	.306	.341	.365	.340
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1014	.1390	.1572	.1732	.1875	.2010	.2243	.2416	.2791	.3105	.3819	.5672	1.0000
RP10/A	.1562	.2191	.2476	.2714	.2931	.3133	.3474	.3717	.4282	.4761	.5819	.8850	1.4371
RP25/A	.1858	.2651	.2983	.3245	.3501	.3722	.4099	.4357	.4967	.5575	.6770	1.0066	1.6243
RP50/A	.2070	.2985	.3347	.3626	.3910	.4141	.4540	.4804	.5439	.6145	.7431	1.1050	1.7508
RP100/A	.2275	.3310	.3700	.3993	.4305	.4563	.4962	.5231	.5883	.6667	.8057	1.1981	1.8683
RP1000/A	.2923	.4353	.4826	.5156	.5565	.5908	.6277	.6549	.7230	.8364	.9973	1.4834	2.2171
RP10000/A	.3541	.5360	.5905	.6263	.6745	.7003	.7510	.7772	.8455	.9222	1.1734	1.7457	2.5262
PMP/A	.7143	1.0359	1.1709	1.2722	1.3686	1.4582	1.6035	1.7021	1.9624	2.1691	2.6331	3.9191	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 460 4880 0	STATION NAME LEESVILLE KEGAN	ELEV 485	SEC 1330	TWP 17	RNG LOT 15N 05W C	BM M	LATITUDE 39.153	LONGITUDE 122.436	COUNTY 06	CODE			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.60	3.42	3.67	3.94	4.26	4.74	5.37	5.75	6.76	7.69	8.97	13.38	23.18
5	3.65	4.92	5.27	5.61	6.05	6.69	7.52	7.98	9.30	10.65	12.31	18.39	30.13
10	4.32	5.92	6.32	6.69	7.20	7.93	8.85	9.34	10.80	12.45	14.32	21.39	34.07
20	4.95	6.86	7.30	7.68	8.27	9.07	10.07	10.57	12.13	14.08	16.11	24.07	37.48
25	5.14	7.16	7.61	7.99	8.60	9.42	10.45	10.95	12.53	14.58	16.66	24.89	38.51
40	5.24	7.78	8.24	8.60	9.16	10.14	11.22	11.72	13.34	15.60	17.77	26.56	40.57
50	5.73	8.06	8.53	8.93	9.60	10.48	11.57	12.07	13.72	16.07	18.28	27.32	41.50
100	6.30	8.94	9.44	9.84	10.57	11.50	12.65	13.14	14.86	17.49	19.82	29.63	44.29
200	6.85	9.80	10.32	10.72	11.52	12.49	13.69	14.17	15.91	18.86	21.30	31.83	46.92
1000	8.09	11.76	12.31	12.70	13.64	14.70	16.00	16.45	18.24	21.88	24.54	36.86	52.56
10000	9.80	14.48	15.06	15.43	16.56	17.72	19.14	19.53	21.33	25.95	28.87	43.16	59.89
PMP	19.77	27.98	29.86	31.34	33.61	36.90	40.87	42.77	49.50	56.73	64.78	96.91	141.77
MEAN	2.807	3.756	4.008	4.267	4.604	5.084	5.717	6.070	7.041	8.122	9.396	14.024	23.707
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.768	.755	.690	.699	1.412	1.988	1.442	2.092	.974	.748	.746	.516	1.013
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.041	2.802	3.389	3.087	5.691	6.881	7.140	9.939	4.930	3.224	4.207	3.212	4.446
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1967	1968	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	4.080	5.350	6.400	6.700	8.900	10.580	10.780	12.480	12.980	13.480	16.600	23.690	44.330
NORMALIZED MAX	1.080	1.578	2.124	2.197	2.978	3.401	3.289	3.578	2.844	2.180	2.549	2.162	2.675
CALC. COEF. VAR	.270	.269	.281	.260	.313	.318	.274	.295	.297	.303	.303	.316	.325
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1184	.1584	.1691	.1800	.1942	.2144	.2411	.2561	.2970	.3424	.3963	.5916	1.0000
RP10/A	.1824	.2497	.2665	.2821	.3036	.3345	.3735	.3946	.4556	.5253	.6039	.9022	1.4371
RP25/A	.2170	.3021	.3208	.3372	.3627	.3973	.4407	.4617	.5285	.6150	.7028	1.0499	1.6243
RP50/A	.2417	.3401	.3600	.3760	.4051	.4420	.4881	.5092	.5787	.6719	.7712	1.1525	1.7688
RP100/A	.2657	.3772	.3980	.4150	.4460	.4850	.5335	.5544	.6259	.7378	.8361	1.2497	1.8683
RP1000/A	.3414	.4961	.5191	.5358	.5754	.6200	.6750	.6941	.7693	.9228	1.0350	1.5472	2.2171
RP10000/A	.4135	.6108	.6353	.6508	.6987	.7475	.8075	.8238	.8996	1.0946	1.2178	1.8208	2.5262
PMP/A	.8341	1.1804	1.2596	1.3219	1.4178	1.5566	1.7241	1.8040	2.0879	2.3930	2.7327	4.0877	5.9800

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CLOCK
480 7591 5	RUMSEY 1 NW	455	12	12N	04W	M		38.902	122.248	CO	57
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	200	300	600
2	2.84	3.71	4.29	4.67	4.98	5.44	6.16	6.64	8.31	9.53	13.70
5	3.99	5.35	6.15	6.65	7.08	7.68	8.63	9.22	11.42	13.13	18.82
10	4.72	6.44	7.37	7.92	8.42	9.10	10.16	10.79	13.25	15.33	21.89
20	5.46	7.46	8.52	9.10	9.68	10.41	11.56	12.22	14.86	17.32	24.64
25	5.62	7.79	8.86	9.47	10.07	10.81	11.99	12.65	15.35	17.92	25.47
40	5.72	8.45	9.62	10.26	10.86	11.61	12.87	13.54	16.35	19.17	27.18
50	6.26	8.77	9.96	10.58	11.24	12.03	13.28	13.95	16.81	19.74	27.96
100	6.88	9.72	11.01	11.65	12.38	13.20	14.52	15.19	18.17	21.47	30.32
200	7.48	10.66	12.04	12.69	13.48	14.33	15.71	16.38	19.48	23.13	32.58
1000	8.84	12.79	14.36	15.04	15.97	16.87	18.37	19.02	22.32	26.92	37.54
10000	10.70	15.74	17.58	18.27	19.39	20.34	21.97	22.57	26.09	31.78	44.18
PMP	21.59	30.43	34.85	37.11	39.34	42.35	46.91	49.43	60.47	69.30	99.18
MEAN	3.065	4.084	4.678	5.053	5.369	5.837	6.561	7.016	8.657	10.051	14.353
CLOCK HR. COR.	1.140	1.076	1.050	1.040	1.030	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.701	1.758	1.783	1.791	1.795	1.799	1.800	1.800	1.800	1.800	1.800
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	7.830	6.894	5.689	4.496	4.061	3.795	3.151	3.873	3.256	3.378	3.406
N	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1963	1963	1963	1963	1966	1966	1966	1966	1968	1961	1961
RECORD MAXIMUM	6.500	8.900	9.750	9.900	10.110	11.150	11.520	13.840	15.980	18.820	29.700
NORMALIZED MAX	2.941	2.906	2.855	2.574	2.413	2.442	2.462	2.728	2.418	2.436	2.603
CALC. COEF. VAR	.381	.406	.380	.373	.363	.347	.311	.337	.350	.358	.402
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394
MEAN/A	.1368	.1743	.1997	.2157	.2306	.2491	.2600	.2995	.3695	.4290	.6126
RP10/A	.2015	.2747	.3144	.3396	.3584	.3844	.4138	.4532	.6583	.6553	.9343
RP25/A	.2397	.3323	.3789	.4081	.4296	.4614	.5118	.5400	.6553	.7650	1.0872
RP50/A	.2671	.3742	.4252	.4515	.4797	.5133	.5669	.5955	.7173	.8425	1.1935
RP100/A	.2935	.4156	.4761	.4972	.5282	.5632	.6196	.6483	.7756	.9163	1.2941
RP1000/A	.3372	.5458	.6121	.6420	.6815	.7198	.7839	.8117	.9526	1.1445	1.6022
RP10000/A	.4569	.6720	.7502	.7799	.8275	.8680	.9378	.9633	1.1135	1.3564	1.8855
PMP/A	.9216	1.2986	1.4875	1.5840	1.6792	1.8076	2.0023	2.1097	2.5808	2.9577	4.2330

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CLOCK
480 9173 0	UPPER LAKE RS	494	1347	07	15N	09W	M	39.167	122.917	CO	17
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	3.05	3.88	4.44	5.00	5.49	5.85	6.57	7.19	8.60	9.63	11.59
5	4.27	5.58	6.36	7.12	7.79	8.26	9.20	9.98	11.83	13.33	15.91
10	5.06	6.72	7.65	8.48	9.28	9.79	10.84	11.68	13.74	15.59	18.50
20	5.80	7.79	8.93	9.75	10.66	11.19	12.33	13.22	15.43	17.63	20.82
25	6.02	8.13	9.21	10.14	11.09	11.63	12.79	13.69	15.94	18.25	21.53
40	6.13	8.83	9.97	10.34	11.30	12.52	13.73	14.05	16.97	19.53	22.97
50	6.71	9.15	10.33	11.33	12.38	12.94	14.16	15.10	17.45	20.12	23.63
100	7.38	10.15	11.42	12.48	13.63	14.19	15.46	16.44	18.68	21.69	25.62
200	8.02	11.13	12.49	13.60	14.85	15.42	16.76	17.73	20.23	23.60	27.52
1000	9.48	13.35	14.89	16.11	17.59	18.15	19.59	20.58	23.20	27.38	31.71
10000	11.48	16.44	18.23	19.58	21.36	21.88	23.43	24.42	27.13	32.48	37.31
PMP	25.16	31.77	36.14	39.76	43.34	45.56	56.03	53.49	62.92	71.61	83.72
MEAN	3.287	4.265	4.851	5.413	5.936	6.280	6.968	7.592	8.958	10.167	12.143
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.512	1.694	1.701	1.821	1.826	1.835	1.851	1.851	1.851	1.851	1.851
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	2.584	4.381	3.335	3.241	3.159	3.310	3.150	3.676	2.720	3.238	2.728
N	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1968	1938	1938	1965	1965	1965	1965	1961	1965	1965	1961
RECORD MAXIMUM	5.350	8.650	9.370	9.990	10.990	11.580	12.690	14.590	16.640	20.970	21.830
NORMALIZED MAX	1.670	2.727	2.397	2.335	2.408	2.410	2.302	2.573	2.378	2.784	2.121
CALC. COEF. VAR	.376	.377	.389	.362	.354	.350	.353	.358	.361	.382	.376
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.399	.393	.394
MEAN/A	.0972	.1261	.1434	.1600	.1755	.1856	.2069	.2244	.2648	.3005	.3590
RP10/A	.1497	.1987	.2261	.2508	.2743	.2894	.3204	.3453	.4062	.4606	.5470
RP25/A	.1761	.2404	.2721	.2999	.3277	.3438	.3781	.4047	.4711	.5366	.6364
RP50/A	.1984	.2706	.3054	.3350	.3660	.3824	.4187	.4463	.5159	.5947	.6905
RP100/A	.2190	.3001	.3376	.3690	.4030	.4196	.4577	.4859	.5580	.6472	.7573
RP1000/A	.2802	.3947	.4403	.4764	.5200	.5364	.5790	.6083	.6886	.8095	.9374
RP10000/A	.3394	.4860	.5368	.5787	.6313	.6460	.6928	.7220	.8020	.9602	1.1030
PMP/A	.6846	.9392	1.0684	1.1754	1.2611	1.3468	1.4791	1.5812	1.8613	2.0993	2.4751

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 490 6977 0	STATION NAME PLEASANTS VALLEY	ELEV 250	SEC 11	TWP 07N	RNG LOT 02W	BM M	LATITUDE 38+44.8	LONGITUDE 122+04.3	COUNTY CODE 13				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.82	4.76	5.66	5.92	6.51	7.04	8.24	9.00	10.37	11.10	12.82	17.82	26.83
5	5.35	6.86	8.13	8.43	9.25	9.95	11.54	12.49	14.27	15.37	17.60	24.49	37.47
10	6.34	8.25	9.74	10.05	11.01	11.79	13.59	14.62	16.57	17.97	20.46	26.46	42.37
20	7.26	9.57	11.26	11.55	12.64	13.48	15.46	16.54	18.60	20.32	23.02	30.05	46.61
25	7.54	9.99	11.73	12.01	13.15	14.00	16.03	17.13	19.22	21.04	23.80	33.14	47.88
40	7.68	10.84	12.70	12.24	13.40	15.07	17.21	18.34	20.47	22.51	25.39	35.36	50.44
50	8.41	11.24	13.16	13.42	14.69	15.57	17.76	18.89	21.04	23.19	26.13	36.08	51.61
100	9.24	12.67	14.55	14.78	16.17	17.09	19.41	20.57	22.76	25.24	28.33	39.45	55.08
200	10.05	13.47	15.91	16.11	17.62	18.56	21.01	22.18	24.40	26.71	30.43	42.39	58.34
1000	11.67	16.40	18.98	19.08	20.87	21.84	24.56	25.75	27.98	31.57	35.05	48.84	65.36
10000	14.38	20.19	23.22	23.18	25.34	26.34	29.38	30.56	32.71	37.45	41.29	57.48	74.47
PMF	29.00	39.02	46.04	47.09	51.41	54.85	62.73	66.93	75.93	81.67	92.58	129.04	176.29
MEAN	4.117	5.237	6.180	6.411	7.042	7.560	8.773	9.501	10.801	11.721	13.427	18.674	29.460
CLOCK MR. COR.	1.140	1.670	1.840	1.820	1.810	1.810	1.800	1.800	1.800	1.800	1.800	1.800	1.800
CALCULATED SKEW	1.892	1.215	1.019	1.008	1.100	1.100	1.423	1.046	1.046	1.008	-0.136	-0.453	-1.172
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	8.292	4.494	4.506	4.167	4.461	7.575	6.470	5.434	4.695	3.157	3.208	3.158	2.493
RECORD YEAR	15	15	15	15	15	15	15	15	15	15	15	15	20
RECORD MAXIMUM	1956	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	8.270	9.540	10.790	10.820	12.780	16.306	16.910	17.910	18.960	19.420	22.800	26.250	45.150
CALC. COEF. VAR	2.311	2.009	2.048	2.047	2.303	2.822	2.738	2.594	2.268	1.890	1.921	1.654	1.754
REGN. COEF. VAR	.436	.407	.364	.336	.354	.412	.339	.341	.333	.348	.335	.310	.303
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1397	.1777	.2096	.2175	.2389	.2565	.2976	.3223	.3664	.3976	.4555	.6334	1.0000
RP10/A	.2151	.2799	.3305	.3408	.3734	.3998	.4610	.4958	.5620	.6096	.6941	.9661	1.4371
RP25/A	.2559	.3387	.3978	.4075	.4461	.4749	.5439	.5819	.6519	.7138	.8075	1.1243	1.6243
RP50/A	.2851	.3814	.4464	.4552	.4962	.5283	.6024	.6409	.7139	.7667	.8663	1.2341	1.7508
RP100/A	.3134	.4230	.4936	.5014	.5485	.5797	.6685	.6978	.7722	.8562	.9609	1.3382	1.8683
RP1000/A	.4027	.5562	.6437	.6474	.7076	.7410	.8330	.8735	.9490	1.0709	1.1894	1.6568	2.2171
RP10000/A	.4677	.6849	.7677	.7804	.8594	.8935	.9966	1.0308	1.1097	1.2703	1.3995	1.9497	2.5262
PMF/A	.9838	1.3235	1.5619	1.5973	1.7439	1.8606	2.1279	2.2704	2.5756	2.7771	3.1405	4.3771	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 490 7649 0	STATION NAME ST HELENA TNE	ELEV 870	SEC 11	TWP 06N	RNG LOT 05W	BM 8	LATITUDE 38.586	LONGITUDE 122.381	COUNTY CODE 28				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.75	5.11	5.82	6.33	6.77	7.25	8.07	8.83	9.99	11.10	13.26	16.53	33.23
5	5.25	7.36	8.35	9.01	9.61	10.24	11.29	12.25	13.75	15.36	18.20	25.47	43.18
10	6.22	8.86	10.04	10.73	11.44	12.13	13.30	14.34	15.98	17.97	21.18	29.62	48.83
20	7.12	10.27	11.57	12.34	13.14	13.88	15.13	16.23	17.92	20.32	23.81	33.34	53.72
25	7.40	10.71	12.05	12.83	13.67	14.41	15.69	16.81	18.62	21.04	24.62	34.47	55.19
40	7.54	11.63	13.06	13.68	14.33	15.02	16.55	17.99	19.72	22.51	26.27	36.77	58.14
50	8.25	12.06	13.53	14.34	15.27	16.03	17.36	18.54	20.27	23.19	27.02	37.84	59.48
100	9.07	13.38	14.96	15.79	16.81	17.59	19.00	20.18	21.93	25.23	29.30	41.03	63.40
200	9.86	14.67	16.35	17.21	18.31	19.11	20.56	21.77	23.81	27.21	31.44	44.08	67.24
1000	11.65	17.59	19.50	20.39	21.69	22.49	24.03	25.27	26.95	31.56	36.27	50.79	75.33
10000	14.11	21.86	23.87	24.77	26.33	27.12	28.76	31.82	34.44	42.67	48.67	66.81	98.81
PMF	26.47	41.87	47.32	50.31	53.44	56.47	61.39	65.68	73.15	81.85	95.75	134.20	203.17
MEAN	4.041	5.620	6.352	6.849	7.320	7.744	8.586	9.323	10.405	11.718	13.887	19.420	33.975
CLOCK MR. COR.	1.140	1.670	1.840	1.820	1.810	1.810	1.800	1.800	1.800	1.800	1.800	1.800	1.800
CALCULATED SKEW	.721	1.002	1.203	1.202	1.416	1.499	1.505	1.528	1.254	1.444	1.246	.980	.521
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	3.597	3.351	4.145	3.959	4.798	5.300	5.332	5.292	4.895	5.567	4.773	4.277	2.134
RECORD YEAR	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD MAXIMUM	1963	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	6.670	10.330	12.990	14.120	17.370	18.960	19.760	21.670	22.650	25.220	28.240	36.790	53.080
CALC. COEF. VAR	1.779	1.761	2.255	2.118	2.607	2.738	2.788	2.777	2.688	2.669	2.572	2.555	1.716
REGN. COEF. VAR	.403	.436	.483	.493	.527	.524	.467	.477	.442	.444	.427	.380	.328
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1189	.1654	.1870	.2016	.2154	.2291	.2527	.2744	.3063	.3449	.4088	.5714	1.0000
RP10/A	.1832	.2698	.2947	.3159	.3368	.3571	.3915	.4222	.4698	.5268	.6229	.8718	1.4371
RP25/A	.2179	.3153	.3458	.3677	.3894	.4109	.4459	.4766	.5242	.5812	.6782	.9272	1.4653
RP50/A	.2426	.3581	.3981	.4220	.4493	.4719	.5116	.5456	.5967	.6625	.7594	1.1136	1.7508
RP100/A	.2669	.3938	.4402	.4648	.4948	.5178	.5592	.5941	.6455	.7225	.8263	1.2053	1.8683
RP1000/A	.3429	.5170	.5741	.6001	.6363	.6620	.7074	.7437	.7933	.9290	1.0674	1.4950	2.2171
RP10000/A	.4154	.6376	.7025	.7290	.7751	.8002	.8484	.8827	.9277	1.1019	1.2559	1.7593	2.5262
PMF/A	.6379	1.2323	1.3929	1.4687	1.5728	1.6621	1.8070	1.9331	2.1330	2.4091	2.8183	3.9488	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE M IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SFC TWP	RNG LOT	HWM	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB R70 4176 00	HINTINGTON LAKE	7020	15 0A5	25E R	M	37.229	113.229	10
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS								
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100
2	2.97	4.02	4.77	5.19	5.63	6.06	6.68	7.35
5	4.36	6.11	7.28	7.86	8.45	8.99	9.87	10.74
10	5.21	7.47	8.89	9.54	10.20	10.81	11.86	12.80
20	6.03	8.75	10.39	11.09	11.80	12.47	13.67	14.67
25	6.28	9.15	10.85	11.55	12.25	12.94	14.22	15.24
40	6.61	9.98	11.68	12.38	13.10	13.79	15.36	16.41
50	7.05	10.36	12.26	13.02	13.76	14.51	15.89	16.95
100	7.79	11.54	13.62	14.41	15.18	15.98	17.49	18.58
200	8.51	12.69	14.94	15.75	16.55	17.36	19.08	20.22
1000	10.12	15.28	17.92	18.77	19.57	20.45	22.67	24.04
10000	12.35	18.88	22.01	22.89	23.69	24.83	27.14	28.28
PMP	25.34	38.18	45.88	49.03	52.19	54.44	59.43	63.57

MEAN	3.248	4.460	5.259	5.668	6.086	6.532	7.194	7.838
CLOCK HR. COM.	1.140	1.670	1.940	1.020	1.010	1.010	1.000	1.000
CALCULATED SKEW	2.080	1.690	1.918	1.437	1.067	1.001	1.730	1.533
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800

KURTOSIS	8.554	6.909	7.308	7.343	6.902	6.549	7.029	6.340
N	67	57	57	57	57	57	57	57
RECORD YEAR	1961	1956	1956	1956	1956	1967	1967	1969
RECORD MAXIMUM	8.210	12.690	16.200	17.437	18.687	19.450	20.880	21.600
NORMALIZED MAX	1.284	3.406	3.666	3.897	3.944	3.865	3.606	3.557
CALC. COEF. VAR	.469	.542	.571	.540	.529	.516	.497	.473
REGION. COEF. VAR	.465	.504	.515	.510	.505	.489	.484	.474
USED COEF. VAR	.465	.504	.515	.510	.505	.489	.484	.474

MEAN/A	.0999	.1376	.1622	.1749	.1877	.2015	.2218	.2418
RP10/A	.1688	.2385	.2747	.3147	.3374	.3684	.3956	.4487
RP25/A	.1928	.2824	.3348	.3570	.3791	.4004	.4202	.4526
RP50/A	.2174	.3197	.3782	.4016	.4246	.4476	.4903	.5129
RP100/A	.2402	.3568	.4201	.4444	.4681	.4920	.5394	.5731
RP1000/A	.3127	.4715	.5527	.5789	.6038	.6239	.6833	.7282
RP10000/A	.3810	.5823	.6789	.7061	.7369	.7660	.8373	.8823
PMP/A	.7817	1.1778	1.4154	1.5126	1.6099	1.6795	1.8332	1.9609

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC TWP	RNG LOT	HWM	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB B80 10A0 00	BRENTWOOD A SW	325	32 01N	R2E Q	M	37.893	121.774	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	1.99	2.58	2.88	4.45	6.55	15.21
5	2.80	3.70	4.13	6.22	9.06	20.09
10	3.71	4.44	4.93	7.34	10.62	23.11
20	3.79	5.13	5.67	8.37	12.04	25.87
25	3.94	5.35	5.90	8.69	12.47	26.72
40	4.01	5.79	6.01	9.34	13.37	28.47
50	4.39	6.00	6.60	9.64	13.79	29.27
100	4.43	6.63	7.27	10.57	15.04	31.71
200	5.25	7.25	7.93	11.46	16.25	34.07
1000	6.20	8.65	9.40	13.46	18.95	39.31
10000	7.51	10.59	11.43	14.20	22.62	66.44
PMP	15.15	26.99	23.28	31.56	47.96	95.69

MEAN	2.151	2.817	3.125	4.764	6.956	16.001
CLOCK HR. COM.	1.140	1.070	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.288	1.215	.901	.027	.022	.503
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900
SKEW USED	1.100	1.200	1.100	1.000	.900	.900

KURTOSIS	5.144	4.012	3.474	2.238	1.902	2.191
N	23	23	23	23	23	23
RECORD YEAR	1967	1963	1963	1968	1969	1968
RECORD MAXIMUM	4.120	5.170	5.920	7.450	10.860	27.860
NORMALIZED MAX	2.120	1.890	2.147	1.859	1.538	2.035
CALC. COEF. VAR	.432	.442	.417	.360	.365	.364
REGION. COEF. VAR	.430	.430	.430	.430	.393	.332
USED COEF. VAR	.430	.430	.430	.430	.393	.332
MEAN/A	.1364	.1761	.1453	.2077	.4347	1.0000
RP10/A	.2078	.2774	.3079	.4585	.6635	1.4445
RP25/A	.2463	.3341	.3687	.5428	.7796	1.6761
RP50/A	.2764	.3749	.4123	.6027	.8615	1.8256
RP100/A	.3178	.4145	.4544	.6544	.9400	1.9818
RP1000/A	.3875	.5406	.5877	.8413	1.1844	2.4548
RP10000/A	.6694	.8681	.7146	1.0124	1.4135	2.9020
PMP/A	.9469	1.3117	1.4547	2.0473	2.9975	5.9900

PRAIRIAN TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB 880 4130 50	STATION NAME LOS MEDANOS TANK FARM	ELEV 136	SEC M	TWP H	RNG LOT 37.947	NMM 121.845	LATITUDE 07	LONGITUDE 07	COUNTY 07
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MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	P YR
2	1.47	1.91	2.15	3.29	4.96	12.34
5	2.06	2.74	3.08	4.60	6.86	16.29
10	2.44	3.29	3.68	5.43	8.04	18.74
20	2.80	3.80	4.23	6.19	9.11	20.98
25	2.91	3.96	4.40	6.43	9.44	21.67
40	3.09	4.29	4.69	6.91	10.12	23.08
50	3.20	4.44	4.92	7.13	10.43	23.74
100	3.56	4.91	5.43	7.82	11.38	25.71
200	3.87	5.37	5.92	8.48	12.30	27.63
1000	4.57	6.46	7.02	9.96	14.34	31.88
10000	5.54	7.83	8.53	11.98	17.12	37.45
PMP	11.18	15.53	17.37	24.43	36.30	77.59
MEAN	1.587	2.085	2.331	3.524	5.265	12.975
CLOCK HR. COV.	1.140	1.070	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.242	1.122	1.243	.485	.749	.741
REGIONAL SKEW	1.180	1.208	1.100	1.000	.900	.900
SKEW USED	1.108	1.208	1.100	1.000	.900	.900
KURTOSIS	4.394	5.092	5.584	2.218	2.753	2.778
N	41	41	41	41	41	41
RECORD YEAR	1952	1963	1963	1967	1952	1958
RECORD MAXIMUM	3.036	4.520	5.360	5.970	9.890	23.108
NORMALIZED MAX	2.382	2.972	3.253	1.954	2.269	2.206
CALC. COEF. VAR	.180	.193	.399	.387	.364	.364
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332
MEAN/A	1.223	1.607	1.797	.2716	.4058	1.0000
RP10/A	1.984	2.533	2.833	.4183	.6193	1.4445
RP25/A	2.241	3.049	3.393	.4852	.7277	1.6701
RP50/A	2.407	3.421	3.794	.5499	.8042	1.8284
RP100/A	2.744	3.783	4.182	.6025	.8774	1.9818
RP1000/A	3.526	4.933	5.408	.7676	1.1056	2.4588
RP10000/A	4.271	6.637	6.575	.9237	1.3194	2.9620
PMP/A	8.615	1.1976	1.3386	1.4135	2.7479	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB 880 5508 0	STATION NAME MEDANOS PUMP	ELEV 413	SEC 172	TWP 04	RNG LOT 015 03E M	NMM M	LATITUDE 37.858	LONGITUDE 121.673	COUNTY 07
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MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	1.47	1.92	2.13	2.26	2.47	2.66	2.87	3.16	3.69	4.03	4.61	6.80	11.71
5	2.06	2.75	3.05	3.21	3.49	3.74	4.02	4.39	5.10	5.58	6.35	9.37	15.27
10	2.45	3.30	3.65	3.81	4.12	4.42	4.74	5.13	5.97	6.52	7.41	10.94	17.33
20	2.80	3.81	4.20	4.36	4.69	5.03	5.39	5.81	6.76	7.37	8.37	12.36	19.13
25	2.91	3.97	4.37	4.53	4.87	5.22	5.59	6.02	7.00	7.64	8.66	12.80	19.64
40	2.96	4.30	4.65	4.88	5.23	5.61	6.00	6.44	7.49	8.17	9.26	13.69	20.77
50	3.24	4.46	4.88	5.04	5.40	5.78	6.19	6.64	7.72	8.42	9.54	14.10	21.28
100	3.56	4.93	5.38	5.54	5.91	6.33	6.76	7.23	8.40	9.16	10.38	15.33	22.78
200	3.88	5.39	5.87	6.02	6.40	6.85	7.32	7.79	9.06	9.87	11.18	16.52	24.20
1000	4.58	6.43	6.96	7.09	7.50	8.02	8.54	9.05	10.51	11.46	12.96	19.16	27.27
10000	5.55	7.87	8.46	8.55	9.08	9.60	10.24	10.74	12.49	13.59	15.36	22.71	31.31
PMP	11.19	15.59	17.23	17.85	19.25	20.55	21.86	23.51	27.31	29.71	33.50	49.54	72.00
MEAN	1.588	2.093	2.312	2.430	2.637	2.843	3.057	3.337	3.885	4.253	4.858	7.169	12.040
CLOCK HR. COV.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.314	.760	.733	.667	.578	.603	.766	.735	.663	.608	.436	.943	.937
REGIONAL SKEW	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.800
SKEW USED	1.100	1.200	1.100	1.000	.900	.900	.800	.800	.800	.800	.800	.800	.800
KURTOSIS	4.696	3.275	2.951	2.663	2.373	2.549	3.118	3.297	2.725	2.534	3.206	2.918	2.799
N	36	38	38	37	37	37	37	38	37	37	38	37	38
RECORD YEAR	1952	1956	1956	1956	1956	1956	1956	1954	1941	1941	1941	1941	1958
RECORD MAXIMUM	3.078	4.244	4.698	5.060	5.228	4.738	6.520	6.571	7.710	8.120	10.130	14.220	22.240
NORMALIZED MAX	2.370	2.370	2.256	2.362	2.189	2.419	2.869	2.863	2.141	2.628	2.325	2.275	2.275
CALC. COEF. VAR	.407	.431	.456	.457	.448	.423	.424	.399	.413	.424	.413	.423	.372
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.319	1.739	1.920	2.018	2.190	2.353	2.539	2.772	3.227	3.532	4.035	5.954	1.0000
RP10/A	2.032	2.741	3.028	3.163	3.421	3.667	3.933	4.264	4.981	5.416	6.154	9.080	1.3493
RP25/A	2.217	3.299	3.626	3.762	4.049	4.314	4.641	4.998	5.913	6.341	7.196	1.0629	1.8362
RP50/A	2.293	3.702	4.055	4.189	4.487	4.804	5.140	5.512	6.609	6.949	7.925	1.1768	1.7672
RP100/A	2.359	4.093	4.469	4.599	4.910	5.255	5.618	6.001	6.977	7.407	8.620	1.2736	1.8917
RP1000/A	3.043	5.338	5.779	5.887	6.226	6.659	7.108	7.512	8.733	9.514	1.0766	1.5911	2.2652
RP10000/A	4.066	6.532	7.027	7.104	7.459	7.975	8.504	8.916	1.0384	1.1286	1.2759	1.8859	2.8007
PMP/A	9.291	1.2452	1.4306	1.4424	1.5486	1.7072	1.8155	1.9526	2.2488	2.4673	2.7822	4.1141	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C30 8460 0	STATION NAME SPRINGVILLE RS	ELEV 1050	SEC 02	TWP 215	RNG LOT 29E R	ARM M	LATITUDE 36.136	LONGITUDE 118.811	COUNTY 54				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.59	2.91	3.13	3.30	3.45	3.75	4.09	4.69	5.43	6.45	9.34	16.54
5	3.16	3.96	4.48	4.81	5.04	5.21	5.65	6.10	6.92	7.91	9.19	13.39	22.44
10	3.81	4.88	5.55	5.95	6.23	6.40	6.94	7.43	8.43	9.56	10.95	16.05	26.17
20	4.45	5.77	6.57	7.04	7.38	7.54	8.17	8.69	9.88	11.12	12.59	18.54	29.60
25	4.64	6.05	6.89	7.38	7.71	7.90	8.55	9.09	10.33	11.61	13.10	19.32	30.67
40	5.05	6.63	7.56	8.09	8.45	8.65	9.35	9.91	11.27	12.63	13.35	20.92	32.85
50	5.25	6.90	7.87	8.42	8.80	9.00	9.73	10.29	11.72	13.10	14.64	21.67	33.86
100	5.83	7.73	8.83	9.44	9.88	10.07	10.88	11.47	13.07	14.55	16.12	23.96	36.94
200	6.41	8.55	9.77	10.45	10.91	11.12	12.02	12.62	14.41	15.98	17.57	26.20	39.92
1000	7.71	10.41	11.92	12.74	13.29	13.52	14.60	15.23	17.45	19.20	20.82	31.24	46.60
10000	9.53	13.02	14.92	15.93	16.61	16.87	18.21	18.86	21.70	23.70	25.29	38.23	56.73
PMP	18.55	24.98	28.70	30.62	31.89	32.28	34.80	36.87	41.21	45.99	51.39	75.78	113.62
MEAN	2.370	2.918	3.289	3.539	3.719	3.872	4.213	4.547	5.227	5.992	6.983	10.192	17.589
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.577	2.186	2.087	2.049	2.084	1.905	1.465	1.437	1.891	1.458	1.248	1.323	1.568
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	11.442	8.797	11.999	10.235	8.449	7.439	5.347	4.819	6.601	4.910	4.374	4.392	2.800
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	6.020	7.767	10.150	10.900	10.900	10.900	10.900	13.730	14.290	14.990	21.070	31.370	
NORMALIZED MAX	3.032	3.080	3.565	3.516	3.377	3.247	2.470	2.735	3.032	2.734	2.495	2.397	2.245
CALC. COEF. VAR	.508	.539	.585	.592	.572	.559	.534	.511	.537	.460	.445	.349	
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.364	
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.364	
MEAN/A	1.348	1.659	1.870	2.012	2.114	2.202	2.395	2.585	2.972	3.407	3.970	5.794	1.0000
RP1/A	2.149	2.777	3.157	3.384	3.541	3.641	3.945	4.226	4.795	5.436	6.227	9.127	1.4879
RP25/A	2.640	3.348	3.919	4.196	4.386	4.492	4.862	5.168	5.874	6.603	7.647	1.0984	1.7435
RP50/A	2.983	3.922	4.476	4.789	5.003	5.114	5.532	5.852	6.662	7.494	8.321	1.2323	1.9253
RP100/A	3.316	4.395	5.021	5.370	5.607	5.729	6.188	6.519	7.433	8.274	9.165	1.3823	2.1002
RP1000/A	4.386	5.920	6.777	7.241	7.554	7.687	8.302	8.657	9.921	1.0919	1.1837	1.7764	2.4493
RP10000/A	5.519	7.401	8.483	9.059	9.445	9.594	1.0356	1.0720	1.2337	1.3472	1.4381	2.1735	3.1683
PMP/A	1.0545	1.4203	1.6316	1.7437	1.8129	1.8350	1.9785	2.0764	2.3430	2.6146	2.9219	4.3082	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C40 3465 0		STATION NAME GLENNVILLE FULTON R S		ELEV 3500	SEC 29	TWP 25S	RNG LOT 31E M	RM M	LATITUDE 35.733	LONGITUDE 118.647	COUNTY 15		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.25	2.39	2.57	2.72	2.79	2.94	3.21	3.46	4.00	4.61	5.78	8.05	14.31
5	3.30	3.65	3.96	4.17	4.27	4.44	4.83	5.16	5.91	6.72	8.24	11.35	19.42
10	4.00	4.50	4.90	5.16	5.27	5.46	5.93	6.29	7.21	8.12	9.82	13.84	22.65
20	4.66	5.32	5.80	6.11	6.23	6.43	6.97	7.35	8.44	9.45	11.29	15.98	25.62
25	4.87	5.58	6.09	6.40	6.53	6.73	7.30	7.69	8.83	9.86	11.75	16.65	26.54
40	5.29	6.11	6.67	7.02	7.15	7.37	7.99	8.38	9.63	10.73	11.97	18.04	28.43
50	5.50	6.36	6.95	7.31	7.44	7.67	8.31	8.71	10.01	11.13	13.12	18.68	29.31
100	6.11	7.13	7.80	8.19	8.34	8.58	9.29	9.70	11.17	12.36	14.46	20.66	31.97
200	6.71	7.88	8.63	9.06	9.23	9.48	10.26	10.67	12.31	13.57	15.75	22.58	34.55
1000	8.08	9.46	10.52	11.05	11.24	11.52	12.47	12.88	14.91	16.31	18.67	26.93	40.33
10000	9.98	12.61	13.17	13.82	14.03	14.34	15.55	15.95	18.54	20.13	22.68	32.95	48.23
PMP	19.43	23.04	25.34	26.56	26.98	27.51	29.72	31.19	35.22	39.06	46.09	65.32	98.34
MEAN	2.483	2.692	2.904	3.070	3.146	3.300	3.598	3.845	4.466	5.090	6.262	8.785	15.223
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.095	.423	.323	.282	.180	.417	1.047	1.291	1.045	1.106	.559	1.317	.745
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	4.131	2.886	2.865	3.345	3.490	3.557	4.796	5.723	4.992	5.697	4.222	6.352	4.172
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.900	4.910	5.430	5.820	5.830	6.090	8.240	9.360	10.640	12.270	13.770	23.900	34.460
NORMALIZED MAX	1.896	1.788	1.957	2.179	2.166	2.017	2.723	2.935	2.821	2.815	2.615	3.075	2.579
CALC. COEF. VAR	.513	.461	.445	.411	.390	.419	.548	.549	.480	.490	.454	.559	.490
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	1.631	1.768	1.908	2.017	2.067	2.168	2.363	2.526	2.934	3.343	4.113	5.771	1.0000
RP10/A	2.625	2.959	3.221	3.392	3.462	3.585	3.892	4.129	4.734	5.336	6.452	9.090	1.4879
RP25/A	3.196	3.664	3.998	4.205	4.287	4.423	4.797	5.051	5.709	6.440	7.716	10.940	1.7435
RP50/A	3.610	4.179	4.604	4.810	4.891	5.036	5.498	5.713	6.578	7.311	8.622	12.274	1.9253
RP100/A	4.016	4.683	5.122	5.382	5.481	5.636	6.105	6.371	7.340	8.121	9.497	13.569	2.1002
RP1000/A	5.309	6.398	6.913	7.258	7.384	7.569	8.192	8.460	9.796	1.0716	1.2264	1.7692	2.6493
RP10000/A	6.559	7.887	8.654	9.080	9.233	9.447	1.0218	1.0477	1.2181	1.3222	1.4920	2.1648	3.1683
PMP/A	1.2764	1.5135	1.6644	1.7446	1.7722	1.8668	1.9522	2.0487	2.3135	2.5860	3.0275	4.2899	6.4600

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB C50 4513 0	STATION NAME KERN CANYON PH PG+E	ELEV 700	SEC 06	TAP 295	RNG LOT 30F R	HMM M	LATITUDE 35+44.1	LONGITUDE 114+795	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.04	1.17	1.26	1.35	1.47	1.56	1.71	1.87	2.18	2.45	2.80	3.88	7.79
5	1.63	1.79	1.95	2.08	2.25	2.35	2.57	2.78	3.21	3.57	3.99	5.57	10.56
10	1.85	2.21	2.41	2.57	2.78	2.80	3.15	3.34	3.92	4.32	4.76	6.67	12.32
20	2.16	2.60	2.86	3.04	3.28	3.40	3.71	3.97	4.59	5.03	5.47	7.71	13.94
25	2.26	2.73	3.00	3.18	3.44	3.56	3.89	4.15	4.80	5.25	5.69	8.03	14.44
40	2.66	2.99	3.29	3.49	3.77	3.90	4.25	4.52	5.24	5.71	6.07	8.70	16.47
50	2.55	3.11	3.42	3.63	3.93	4.05	4.44	4.69	5.44	5.92	6.36	9.01	16.94
100	2.84	3.49	3.84	4.07	4.40	4.54	4.95	5.23	6.07	6.58	7.01	9.96	17.39
200	3.12	3.86	4.25	4.51	4.87	5.01	5.44	5.75	6.67	7.22	7.63	10.89	18.80
1000	3.75	4.70	5.18	5.49	5.93	6.09	6.64	6.94	8.11	8.68	9.05	12.99	21.94
10000	4.63	5.88	6.49	6.87	7.41	7.60	8.28	8.60	10.09	10.71	10.99	15.89	24.24
PMP	9.02	11.28	12.47	13.20	14.23	14.54	15.81	16.82	19.15	20.79	22.33	31.50	51.50
MEAN	1.152	1.318	1.430	1.526	1.660	1.745	1.915	2.074	2.428	2.708	3.035	4.236	8.281
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	0.858	0.776	0.779	0.678	0.595	0.601	0.621	0.621	0.791	0.594	0.414	0.326	0.158
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	3.897	2.932	3.315	3.196	3.279	3.297	3.718	4.832	4.163	2.587	2.633	6.410	3.809
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1917	1938	1938	1938	1938	1938	1969	1917	1933	1969	1969	1969	1969
RECORD MAXIMUM	1.930	2.390	2.670	2.850	2.850	2.850	3.400	3.400	4.300	4.500	5.160	9.170	14.870
NORMALIZED MAX	1.693	1.734	2.256	2.313	2.294	2.089	2.457	2.794	2.385	1.972	2.135	3.339	2.647
CALC. COEF. VAR	.250	.268	.299	.324	.313	.303	.316	.353	.330	.335	.328	.384	.301
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	1.1391	1.1591	1.1726	1.1843	1.2004	1.2107	1.2312	1.2504	1.2932	1.3270	1.3685	1.5116	1.0000
RP10/A	.2235	.2663	.2915	.3100	.3357	.3480	.3810	.4093	.4731	.5219	.5748	.8058	1.4879
RP25/A	.2726	.3297	.3618	.3883	.4158	.4299	.4693	.5006	.5796	.6039	.6874	.9697	1.7435
RP50/A	.3080	.3761	.4132	.4387	.4742	.4894	.5340	.5669	.6574	.7151	.7681	1.0880	1.9253
RP100/A	.3424	.4215	.4635	.4918	.5315	.5477	.5973	.6315	.7335	.7943	.8460	1.2028	2.1002
RP1000/A	.5529	.5677	.6256	.6633	.7161	.7354	.8014	.8366	.9700	1.0482	1.0926	1.5683	2.4493
RP10000/A	.5594	.7698	.7831	.8298	.8954	.9182	.9904	1.0385	1.2174	1.2933	1.3274	1.9189	3.1683
PMP/A	1.0888	1.3620	1.5063	1.5944	1.7186	1.7561	1.9098	2.0307	2.3121	2.5100	2.6971	3.8036	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB C50 4519 0	STATION NAME KERN RIV INTAKE 3 SCE	ELEV 3642	SEC 12	TWP 235	RNG LOT 32E F	HMM M	LATITUDE 35+94.5	LONGITUDE 118+476	COUNTY CODE 54				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-MO:HS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.44	3.19	3.55	3.74	3.98	4.24	4.59	4.95	5.40	5.81	6.93	9.61	15.76
5	3.41	4.88	5.47	5.75	6.09	6.41	6.91	7.37	7.98	8.46	9.88	13.79	21.39
10	4.38	6.03	6.78	7.11	7.53	7.84	8.49	8.98	9.72	10.23	11.77	16.52	24.94
20	5.10	7.12	8.03	8.41	8.89	9.29	9.90	10.51	11.39	11.90	13.53	19.08	28.22
25	5.33	7.46	8.42	8.81	9.32	9.73	10.46	10.99	11.91	12.43	14.08	19.88	29.23
40	5.80	8.18	9.23	9.66	10.21	10.64	11.45	11.98	13.00	13.51	14.35	21.53	31.31
50	6.02	8.51	9.61	10.06	10.63	11.08	11.91	12.44	13.51	14.02	15.73	22.31	32.28
60	6.49	9.54	10.78	11.28	11.92	12.39	13.32	13.86	15.08	15.57	17.33	24.66	35.21
200	7.35	10.55	11.93	12.48	13.18	13.69	14.71	15.25	16.62	17.10	18.88	26.96	38.05
1000	8.85	12.85	14.55	15.21	16.05	16.65	17.87	18.41	20.12	20.55	22.32	32.15	44.42
10000	10.74	16.07	18.22	19.03	20.07	20.74	22.29	22.79	25.02	25.36	27.19	39.34	53.12
PMP	21.38	36.83	35.04	38.56	38.53	39.74	42.58	44.57	47.52	49.21	55.24	77.98	108.30
MEAN	2.720	3.602	4.016	4.227	4.493	4.768	5.155	5.495	6.027	6.412	7.505	10.489	16.765
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	4.134	4.075	3.885	3.898	3.618	3.571	3.272	3.167	2.886	2.802	2.295	1.360	1.145
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	24.743	24.445	22.816	23.171	21.082	20.802	17.701	16.921	14.684	14.240	11.284	5.227	4.269
N	51	51	51	51	51	51	51	51	51	51	51	51	51
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	13.020	19.840	22.040	22.840	23.570	24.370	24.910	25.110	25.110	26.240	26.240	29.930	40.790
NORMALIZED MAX	4.888	5.286	5.270	5.529	5.462	5.442	5.223	5.159	4.932	4.911	4.552	3.316	3.109
CALC. COEF. VAR	.775	.853	.835	.796	.777	.754	.734	.692	.642	.630	.548	.555	.461
REGN. COEF. VAR	.455	.504	.512	.510	.505	.489	.484	.474	.459	.445	.429	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.429	.429	.364
MEAN/A	1.1622	2.149	2.396	2.521	2.680	2.844	3.075	3.278	3.595	3.824	4.477	6.256	1.0000
RP10/A	.2611	.3596	.4045	.4250	.4489	.4703	.5064	.5358	.5801	.6103	.7022	.9854	1.4879
RP25/A	.3179	.4452	.5021	.5257	.5560	.5803	.6242	.6553	.7106	.7412	.8398	1.1860	1.7435
RP50/A	.3591	.5078	.5734	.6000	.6362	.6606	.7102	.7421	.8050	.8363	.9383	1.3300	1.9253
RP100/A	.3993	.5691	.6512	.6728	.7108	.7393	.7944	.8267	.8983	.9289	1.0335	1.4710	2.1002
RP1000/A	.5291	.7666	.8682	.9073	.9576	.9929	1.0658	1.0977	1.2003	1.2258	1.3347	1.9180	2.6493
RP10000/A	.6524	.9584	1.0867	1.1351	1.1974	1.2393	1.3295	1.3594	1.4926	1.5125	1.6216	2.3468	3.1683
PMP/A	1.2695	1.8391	2.0902	2.1809	2.2809	2.3703	2.5400	2.6584	2.8347	2.9353	3.2948	4.6517	6.4600

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSM ORDER SUB CS0 4520 0	STATION NAME KERN RIV PH N J	ELEV 790	SEC 29	TWP 28S	RNG LOT 10E N	RMM M	LATITUDE 35+460	LONGITUDE 114+790	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	7650
2	1.31	1.53	1.61	1.90	2.05	1.99	2.11	2.41	2.78	3.14	3.62	5.17	10.38
5	1.92	2.34	2.49	2.91	3.13	3.00	3.18	3.59	4.11	4.58	5.16	7.42	14.08
10	2.33	2.89	3.08	3.60	3.87	3.69	3.91	4.37	5.01	5.54	6.15	8.69	16.42
20	2.72	3.41	3.64	4.26	4.57	4.35	4.60	5.12	5.87	6.44	7.07	10.27	18.58
25	2.84	3.58	3.82	4.47	4.79	4.55	4.81	5.35	6.14	6.72	7.36	10.70	19.25
40	3.09	3.92	4.19	4.90	5.25	4.98	5.24	5.83	6.70	7.31	7.90	11.59	20.62
50	3.21	4.08	4.36	5.10	5.46	5.16	5.44	6.06	7.00	7.63	8.22	12.00	21.26
100	3.57	4.57	4.90	5.72	6.12	5.80	6.13	6.75	7.77	8.43	9.06	13.27	23.18
200	3.92	5.05	5.42	6.33	6.77	6.41	6.76	7.42	8.56	9.25	9.87	14.51	25.06
1000	4.72	6.16	6.61	7.71	8.25	7.79	8.22	8.96	10.37	11.12	11.70	17.30	29.24
10000	5.93	7.70	8.27	9.65	10.31	9.73	10.25	11.10	12.69	13.72	14.21	21.17	34.97
PMP	11.34	14.78	15.91	18.54	19.74	18.60	19.59	21.70	26.42	28.63	28.87	41.97	71.31
MEAN	1.450	1.727	1.823	2.143	2.308	2.272	2.371	2.676	3.106	3.470	3.923	5.644	11.038
CLOCK HR. COR.	1.140	1.670	1.640	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CLOCKED SKEW	1.216	.935	.829	.780	1.083	.514	.705	.994	1.217	.431	.491	.398	.366
REGIONAL SKEW	1.360	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.360	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	6.634	3.689	3.391	3.448	4.773	2.555	2.919	3.210	3.778	2.498	2.478	2.448	2.714
N	42	41	37	30	26	32	25	20	28	32	36	39	41
RECORD YEAR	1928	1928	1943	1943	1943	1934	1933	1943	1915	1915	1915	1943	1941
RECORD MAXIMUM	2.770	2.960	3.220	4.000	4.580	3.490	3.930	4.600	5.620	5.420	6.320	9.960	18.210
NORMALIZED MAX	2.459	2.244	2.453	2.557	2.415	2.054	2.294	2.185	2.529	2.083	1.903	2.080	2.121
CALC. COEF. VAR	.319	.318	.307	.339	.338	.274	.287	.325	.320	.297	.308	.325	.306
REGION. COEF. VAR	.445	.504	.515	.510	.505	.484	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.445	.504	.515	.510	.505	.484	.484	.474	.459	.445	.424	.429	.364
MEAN/A	1.133	1.565	1.652	1.942	2.091	2.022	2.148	2.424	2.814	3.143	3.554	5.113	1.0000
RP10/A	1.214	2.619	2.749	3.265	3.343	3.343	3.538	3.962	4.540	5.016	5.574	8.054	1.4879
RP25/A	1.2573	3.243	3.462	4.049	4.338	4.125	4.361	4.946	5.561	6.092	6.667	9.693	1.7435
RP50/A	1.2507	3.698	3.954	4.621	4.844	4.657	4.961	5.627	6.307	6.873	7.449	1.0875	1.9253
RP100/A	1.3232	4.144	4.435	5.381	5.546	5.264	5.550	6.313	7.038	7.635	8.205	1.2022	2.1002
RP1000/A	1.4275	5.583	5.966	6.987	7.472	7.059	7.444	8.117	9.393	10.075	1.0596	1.5676	2.4493
RP10000/A	1.5281	6.988	7.493	8.742	9.342	8.810	9.288	1.0052	1.1681	1.2431	1.2873	1.9180	3.1683
PMP/A	1.0277	1.3334	1.4412	1.6796	1.7931	1.6852	1.7745	1.9657	2.2184	2.4125	2.6156	3.8019	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSM ORDER SUB CS0 4523 0	STATION NAME KERN RIVER P H 3	ELEV 2703	SEC 09	TWP 25S	RNG LOT 33E 4	RMM M	LATITUDE 35+774	LONGITUDE 118+445	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.68	2.26	2.48	2.55	2.59	2.69	2.83	3.17	3.52	3.90	4.70	6.53	10.66
5	2.46	3.45	3.82	3.92	3.97	4.07	4.26	4.73	5.20	5.67	6.70	9.37	16.73
10	2.98	4.26	4.73	4.85	4.90	5.01	5.24	5.76	6.34	6.86	7.99	11.23	17.19
20	3.44	5.03	5.60	5.74	5.79	5.90	6.16	6.74	7.42	7.98	9.18	12.97	19.44
25	3.43	5.27	5.87	6.02	6.07	6.18	6.45	7.05	7.77	8.33	9.55	13.51	20.14
40	3.95	5.78	6.44	6.60	6.65	6.76	7.04	7.68	8.48	9.06	10.73	14.43	21.57
50	4.11	6.01	6.71	6.87	6.93	7.03	7.34	7.98	8.81	9.40	10.67	15.16	22.24
100	4.56	6.74	7.52	7.70	7.76	7.87	8.21	8.89	9.83	10.44	11.76	16.76	24.26
200	5.02	7.45	8.33	8.52	8.59	8.69	9.07	9.78	10.83	11.46	12.81	18.32	26.22
1000	6.04	9.09	10.16	10.38	10.49	10.57	11.02	11.81	13.12	13.78	15.16	21.85	30.60
10000	7.46	11.35	12.71	12.99	13.08	13.19	13.75	14.62	16.31	17.00	18.45	26.73	36.59
PMP	14.51	21.78	24.45	24.96	25.10	25.23	26.26	28.59	30.98	32.99	37.48	52.99	74.61
MEAN	1.455	2.544	2.802	2.886	2.927	3.027	3.180	3.526	3.929	4.299	5.093	7.127	11.550
CLOCK HR. COR.	1.140	1.670	1.640	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CLOCKED SKEW	1.274	1.170	1.395	1.274	1.199	1.196	.946	.600	.644	.482	.467	.531	1.058
REGIONAL SKEW	1.308	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	4.646	4.316	5.293	4.990	4.666	4.747	3.800	2.803	2.790	2.369	2.779	3.207	4.373
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1951	1963	1963	1963	1963	1963	1963	1963	1963	1963	1952	1952	1958
RECORD MAXIMUM	3.370	4.830	6.300	6.310	6.310	6.310	6.310	7.090	7.220	7.490	9.190	13.030	21.570
NORMALIZED MAX	1.628	2.029	2.613	2.664	2.659	2.672	2.472	2.150	2.168	1.769	1.978	2.075	2.383
CALC. COEF. VAR	.447	.443	.478	.445	.435	.406	.398	.367	.371	.378	.407	.399	.364
REGION. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	1.1606	2.201	2.426	2.498	2.535	2.621	2.753	3.052	3.402	3.722	4.409	6.171	1.0000
RP10/A	1.2584	3.667	3.696	4.201	4.347	4.347	4.548	5.131	5.549	5.933	6.919	9.719	1.4879
RP25/A	1.3146	4.565	5.085	5.209	5.258	5.347	5.588	6.303	6.724	7.133	8.271	1.1697	1.7435
RP50/A	1.3554	5.207	5.807	5.946	5.998	6.088	6.358	7.101	7.626	8.138	9.241	1.3213	1.9253
RP100/A	1.3562	5.835	6.514	6.667	6.722	6.813	7.111	7.696	8.519	9.040	1.0177	1.4508	2.1002
RP1000/A	1.5227	7.860	8.792	8.990	9.056	9.150	9.517	10.222	1.1357	1.1929	1.3146	1.9316	2.7423
RP10000/A	1.6457	9.827	1.1006	1.1247	1.1324	1.1491	1.1902	1.2654	1.4123	1.4718	1.5971	2.3146	3.1603
PMP/A	1.2566	1.4458	2.1169	2.1611	2.1734	2.1844	2.2738	2.4755	2.6823	2.8564	3.2451	4.5878	6.4600

PEAKSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C50 4527 0	STATION NAME KEPNNVILLE	ELEV 2650	SEC	TWP	RNG LOT	HHM	LATITUDE 35.733	LONGITUDE 111.433	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.78	2.02	2.14	2.25	2.41	2.61	2.83	3.31	3.62	4.35	5.76	9.10
5	2.12	2.73	3.11	3.29	3.46	3.65	3.93	4.22	4.88	5.28	6.20	8.26	12.34
10	2.67	3.37	3.85	4.07	4.27	4.48	4.82	5.14	5.95	6.38	7.39	9.90	14.39
20	3.00	3.97	4.56	4.81	5.05	5.28	5.68	6.01	6.97	7.42	8.49	11.44	16.28
25	3.13	4.17	4.78	5.04	5.29	5.53	5.94	6.28	7.24	7.75	8.83	11.92	16.87
40	3.41	4.57	5.24	5.53	5.80	6.05	6.50	6.85	7.96	8.43	9.60	12.91	18.07
50	3.56	4.75	5.46	5.75	6.04	6.30	6.76	7.12	8.27	8.74	9.97	13.37	18.32
100	3.94	5.33	6.12	6.45	6.77	7.05	7.56	7.93	9.27	9.71	10.97	14.78	20.32
200	4.33	5.89	6.77	7.14	7.49	7.79	8.35	8.72	10.17	10.65	11.85	16.16	21.96
1000	5.21	7.17	8.26	8.70	9.12	9.47	10.15	10.53	12.32	12.82	14.04	19.28	25.63
10000	6.43	8.97	10.34	10.88	11.40	11.82	12.66	13.04	15.32	15.81	17.06	23.58	30.65
PMF	12.52	17.21	19.89	20.91	21.88	22.60	24.19	25.49	29.10	30.49	34.99	46.75	62.49
MEAN	1.600	2.011	2.280	2.412	2.552	2.712	2.928	3.144	3.690	3.998	4.710	6.288	9.674
CLOCK HR. COV.	1.110	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.290	1.307	1.309	1.313	1.316	1.319	1.324	1.329	1.341	1.344	1.351	1.352	1.352
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	3.948	3.948	3.087	2.683	2.589	2.745	2.886	3.050	4.053	5.384	6.844	5.802	4.444
N	34	34	34	34	34	34	34	34	34	34	34	34	42
RECORD YEAR	1916	1916	1916	1916	1916	1909	1909	1916	1916	1916	1909	1909	1909
RECORD MAXIMUM	3.250	4.030	5.330	5.430	5.830	5.900	6.800	7.150	9.730	11.350	13.000	14.500	21.220
NORMALIZED MAX	1.970	2.417	2.205	2.079	2.211	2.190	2.490	2.358	2.972	3.305	3.560	3.095	2.971
CALC. COEF. VAR	.524	.600	.607	.600	.581	.580	.531	.541	.551	.564	.572	.547	.472
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364
MEAN/A	1.1454	1.2079	1.2357	1.2499	1.2638	1.2883	1.3027	1.3249	1.3815	1.4133	1.4888	1.6499	1.0000
RP10/A	1.2662	1.3479	1.3979	1.4202	1.4419	1.4635	1.4948	1.5312	1.6155	1.6596	1.7636	1.9237	1.4879
RP25/A	1.3240	1.4307	1.4939	1.5210	1.5473	1.5719	1.6144	1.6597	1.7540	1.8010	1.9132	1.2320	1.7435
RP50/A	1.3661	1.4913	1.5641	1.5947	1.6247	1.6511	1.6991	1.7357	1.8552	1.9071	1.9204	1.3422	1.9253
RP100/A	1.4170	1.5505	1.6328	1.6688	1.6984	1.7287	1.7819	1.8242	1.9542	1.9939	1.1200	1.2291	2.1002
RP1000/A	1.5383	1.7416	1.8541	1.8992	1.9426	1.9784	1.1049	1.0882	1.2739	1.3247	1.4515	1.9225	2.6493
RP10000/A	1.6051	1.9271	1.10691	1.1250	1.1785	1.2214	1.1087	1.13476	1.5837	1.6345	1.7635	2.4379	3.1683
PMF/A	1.2442	1.7791	2.0564	2.1615	2.2621	2.3367	2.5002	2.6353	3.0078	3.1720	3.5831	4.8324	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C50 4462 80	STATION NAME ONYX 2	ELEV 2700	SEC	TWP	RNG LOT	HHM	LATITUDE 35.683	LONGITUDE 118.233	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.38	1.73	1.92	1.97	2.06	2.18	2.35	2.54	2.79	2.96	3.55	5.16	8.37
5	2.02	2.65	2.96	3.03	3.16	3.29	3.54	3.78	4.12	4.31	5.05	7.40	11.35
10	2.45	3.27	3.67	3.74	3.90	4.08	4.35	4.61	5.02	5.21	6.03	8.87	13.24
20	2.86	3.87	4.34	4.43	4.61	4.78	5.12	5.40	5.88	6.07	6.94	10.25	14.97
25	2.98	4.05	4.55	4.64	4.83	4.99	5.38	5.64	6.15	6.33	7.22	10.68	15.51
40	3.25	4.44	4.99	5.09	5.29	5.44	5.87	6.15	6.71	6.89	7.35	11.57	16.61
50	3.47	4.62	5.20	5.30	5.51	5.68	6.10	6.39	6.97	7.14	8.05	11.98	17.13
100	3.75	5.18	5.83	5.94	6.17	6.38	6.83	7.12	7.78	7.94	8.88	13.25	18.68
200	4.12	5.73	6.46	6.57	6.83	7.02	7.54	7.83	8.58	8.71	9.68	14.48	20.19
1000	4.95	6.94	7.88	8.01	8.32	8.54	9.14	9.45	10.39	10.47	11.47	17.27	23.57
10000	6.12	8.73	9.86	10.03	10.40	10.66	11.42	11.70	12.92	12.92	13.93	21.13	28.19
PMF	11.91	16.75	16.96	19.26	19.96	20.38	21.83	22.88	24.53	25.08	28.31	41.89	57.47
MEAN	1.533	1.956	2.173	2.227	2.328	2.445	2.642	2.822	3.111	3.267	3.846	5.634	8.896
CLOCK MR. COV.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.474	1.485	1.596	1.639	1.827	1.629	1.806	1.785	1.911	1.935	1.826	1.764	.985
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	2.949	4.887	5.167	4.917	6.245	5.444	6.014	6.193	7.208	7.067	7.626	7.183	4.531
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1969	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.540	4.188	5.350	5.350	6.180	6.180	6.850	7.487	8.310	8.310	9.390	15.010	18.930
NORMALIZED MAX	1.689	2.392	2.643	2.644	3.073	2.922	2.901	3.054	3.274	3.213	3.381	3.352	2.768
CALC. COEF. VAR	.394	.475	.553	.530	.538	.523	.549	.541	.510	.480	.426	.429	.408
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.454	.445	.424	.429	.364
MEAN/A	1.1711	1.2199	1.2443	1.2503	1.2617	1.2749	1.2970	1.3172	1.3497	1.3673	1.4324	1.6333	1.0000
RP10/A	1.2753	1.3681	1.4124	1.4210	1.4383	1.4548	1.4892	1.5185	1.5643	1.5841	1.6782	1.9975	1.4879
RP25/A	1.3352	1.4557	1.5120	1.5220	1.5428	1.5604	1.6029	1.6341	1.6913	1.7118	1.8111	1.2005	1.7435
RP50/A	1.3787	1.5198	1.5877	1.5977	1.6192	1.6377	1.6860	1.7181	1.7860	1.8071	1.9122	1.4972	1.9253
RP100/A	1.4211	1.5825	1.6558	1.6680	1.6940	1.7144	1.7673	1.7994	1.8749	1.8952	1.9942	1.4900	2.1002
RP1000/A	1.5269	1.7846	1.8853	1.9008	1.9350	1.9598	1.1024	1.10622	1.1676	1.1772	1.2891	1.9415	2.4493
RP10000/A	1.6888	1.9810	1.1082	1.1269	1.1691	1.1974	1.2882	1.3154	1.4520	1.4520	1.5662	2.3756	3.1683
PMF/A	1.3389	1.8825	2.1314	2.1653	2.2439	2.2917	2.4535	2.5723	2.7576	2.8188	3.1623	4.7087	6.4600

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. WSN ORDER SUB C50 9754 0	STATION NAME WOFFORD HEIGHTS	ELFV 2700	SEC 32	TWP 255	RNG LOT 13E M	RHW M	LATITUDE 35.717	LONGITUDE 118.440	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.74	2.12	2.44	2.56	2.57	2.66	2.77	3.10	3.39	3.65	4.25	5.67	9.49
5	2.55	3.24	3.76	3.93	3.93	4.03	4.17	4.61	5.00	5.32	6.06	8.42	12.87
10	3.09	4.00	4.66	4.86	4.85	4.95	5.12	5.62	6.10	6.43	7.22	10.09	15.01
20	3.61	4.73	5.52	5.74	5.73	5.83	6.02	6.58	7.14	7.48	8.30	11.16	16.99
25	3.77	4.96	5.78	6.02	6.01	6.11	6.31	6.88	7.47	7.81	8.64	12.15	17.59
40	4.10	5.43	6.34	6.60	6.58	6.68	6.90	7.50	8.15	8.49	9.36	13.16	19.84
50	4.24	5.65	6.61	6.87	6.85	6.94	7.18	7.79	8.47	8.81	9.65	13.63	19.42
100	4.73	6.34	7.41	7.71	7.68	7.78	8.03	8.67	9.45	9.78	10.63	15.07	21.19
200	5.20	7.01	8.20	8.53	8.49	8.60	8.85	9.55	10.42	10.74	11.58	16.47	22.90
1000	6.76	8.53	10.00	10.39	10.34	10.45	10.77	11.52	12.62	12.91	13.73	19.65	26.73
10000	7.73	10.67	12.52	13.00	12.93	13.05	13.43	14.20	15.64	15.93	16.68	24.04	31.97
PMP	15.04	20.48	24.08	24.99	24.83	24.96	25.66	27.89	29.86	30.91	33.89	47.65	65.17

MEAN	1.923	2.392	2.760	2.889	2.895	2.994	3.167	3.439	3.780	4.027	4.605	6.409	10.089
CLOCK HR. COR.	1.140	1.770	1.040	1.020	1.017	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.618	2.954	2.680	2.766	2.766	2.800	2.783	2.577	2.251	2.163	1.860	1.488	1.038
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.200	1.100	1.000	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000

KURTOSIS	11.492	13.686	12.124	13.845	14.003	14.514	13.914	11.735	9.977	9.469	6.766	3.977	3.580
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	6.040	8.444	9.680	10.820	10.760	11.000	11.250	11.400	11.600	12.000	14.000	20.190	20.190
NORMALIZED MAX	2.974	3.414	3.437	3.657	3.717	3.759	3.762	3.597	3.448	3.411	3.074	2.491	2.236
CALC. COEF. VAR	.720	.765	.730	.751	.749	.713	.675	.631	.574	.551	.524	.480	.488
REGION. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384

MEAN/A	.1996	.2371	.2736	.2863	.2870	.2968	.3086	.3409	.3746	.3992	.4564	.6352	1.0000
RP10/A	.3077	.3968	.4619	.4815	.4867	.4968	.5081	.5577	.6045	.6311	.7159	1.0000	.4819
RP25/A	.3714	.4913	.5734	.6053	.6083	.6185	.6281	.6816	.7405	.7737	.8561	1.2042	1.7435
RP50/A	.4201	.5604	.6548	.6814	.6790	.6894	.7112	.7718	.8398	.8729	.9566	1.1000	1.9253
RP100/A	.4690	.6280	.7345	.7640	.7610	.7715	.7956	.8598	.9371	.9696	1.0537	1.4935	2.1002
RP200/A	.6262	.8457	.9914	1.1303	1.0923	1.0962	1.1177	1.2507	1.4705	1.5807	1.9474	2.8493	4.6493
RP1000/A	.7463	1.0576	1.2410	1.2800	1.2820	1.2913	1.3314	1.4139	1.5553	1.5787	1.9532	3.3928	5.1663
PMP/A	1.4912	2.0295	2.3870	2.4766	2.4607	2.4736	2.5437	2.7648	2.9538	3.0638	3.3590	4.7231	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. WSN ORDER SUB C60 1296 1	STATION NAME CALIENTE	ELEV 1290	SEC 26	TWP 30S	RNG LOT 31E	RHW M	LATITUDE 35.300	LONGITUDE 118.633	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.58	1.76	1.95	2.09	2.19	2.34	2.53	2.77	3.23	3.52	4.40	5.99	11.14
5	2.32	2.69	3.00	3.21	3.36	3.54	3.80	4.13	4.77	5.13	6.27	8.59	15.12
10	2.81	3.32	3.72	3.97	4.15	4.35	4.67	5.04	5.82	6.20	7.47	10.29	17.63
20	3.28	3.92	4.40	4.69	4.90	5.13	5.50	5.89	6.81	7.21	8.59	11.88	19.95
25	3.43	4.11	4.62	4.92	5.13	5.37	5.76	6.16	7.13	7.53	8.93	12.38	20.66
40	3.73	4.50	5.06	5.40	5.63	5.88	6.30	6.72	7.78	8.19	9.10	13.41	22.14
50	3.87	4.69	5.27	5.62	5.86	6.12	6.55	6.98	8.08	8.50	9.48	13.89	22.82
100	4.30	5.25	5.91	6.30	6.56	6.84	7.33	7.77	9.02	9.44	10.39	15.36	24.48
200	4.73	5.81	6.55	6.97	7.26	7.56	8.09	8.55	9.94	10.36	11.98	16.79	26.90
1000	5.69	7.08	7.98	8.49	8.84	9.19	9.83	10.32	12.04	12.45	14.20	20.03	31.40
10000	7.03	8.85	9.99	10.63	11.06	11.47	12.26	12.78	14.97	15.36	17.25	24.50	37.55
PMP	13.69	16.98	19.22	20.42	21.22	21.94	23.42	24.99	28.43	29.82	35.05	48.57	78.56

MEAN	1.749	1.983	2.203	2.360	2.475	2.633	2.836	3.082	3.605	3.885	4.762	6.532	11.852
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.050	1.084	0.908	0.909	0.895	0.882	0.835	0.785	0.636	0.576	0.336	0.165	0.227
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000

KURTOSIS	1.735	5.522	2.849	2.357	2.456	3.203	3.363	3.329	3.409	2.652	2.000	2.340	2.307
N	33	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938
RECORD MAXIMUM	2.250	3.000	3.900	4.000	4.000	4.400	5.230	5.230	7.150	7.150	7.720	11.600	20.180
NORMALIZED MAX	.923	2.041	2.113	1.939	1.834	2.299	2.563	2.026	2.150	2.254	1.652	1.943	1.160
CALC. COEF. VAR	.310	.333	.305	.336	.336	.305	.329	.344	.362	.373	.376	.399	.358
REGION. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.384

MEAN/A	.1476	.1673	.1859	.1991	.2088	.2221	.2393	.2600	.3042	.3278	.4017	.5511	1.0000
RP10/A	.2375	.2801	.3139	.3349	.3498	.3673	.3941	.4251	.4908	.5231	.6302	.8681	1.4879
RP25/A	.2891	.3468	.3896	.4152	.4332	.4532	.4819	.5199	.6013	.6353	.7536	1.0447	1.7435
RP50/A	.3266	.3955	.4449	.4739	.4942	.5160	.5526	.5887	.6820	.7168	.8420	1.1721	1.9253
RP100/A	.3632	.4432	.4991	.5314	.5538	.5774	.6181	.6558	.7609	.7962	.9275	1.2928	2.1002
RP200/A	.4003	.5070	.5737	.6168	.6462	.6755	.7293	.7893	1.0156	1.0506	1.1978	1.6896	2.6493
RP1000/A	.5934	.7464	.8432	.8966	.9330	.9680	1.0345	1.0784	1.2629	1.2963	1.4553	2.0673	3.1683
PMP/A	1.1547	1.4323	1.6219	1.7226	1.7908	1.8514	1.9764	2.1088	2.3985	2.5158	2.9569	4.0977	6.4600

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C60 4463 0	STATION NAME KEENE FS	ELEV 2575	SEC 20	TWP 31S	RNG LOT 32E C	HWM M	LATITUDE 35.225	LONGITUDE 114.545	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.54	2.03	2.17	2.27	2.35	2.42	2.53	2.81	3.25	3.69	4.56	6.04	13.14
5	2.25	3.11	3.35	3.48	3.60	3.65	3.82	4.18	4.79	5.38	6.50	9.53	17.82
10	2.73	3.84	4.15	4.30	4.45	4.49	4.69	5.10	5.84	6.50	7.75	11.42	26.79
20	3.19	4.53	4.91	5.09	5.26	5.29	5.51	5.97	6.84	7.56	8.91	13.19	23.52
25	3.33	4.75	5.15	5.34	5.51	5.54	5.77	6.24	7.16	7.89	9.27	13.74	24.36
40	3.62	5.21	5.65	5.85	6.04	6.06	6.32	6.80	7.81	8.58	9.44	14.49	26.09
50	3.76	5.42	5.90	6.08	6.28	6.31	6.57	7.05	8.12	8.90	10.36	15.42	26.90
100	4.18	6.07	6.60	6.83	7.04	7.06	7.35	7.87	9.08	9.86	11.41	17.05	29.34
200	4.59	6.72	7.31	7.56	7.79	7.80	8.12	8.66	9.98	10.86	12.43	18.64	31.71
1000	5.53	8.14	8.91	9.21	9.49	9.48	9.86	10.45	12.09	13.05	14.73	22.23	37.01
10000	6.43	10.23	11.16	11.52	11.87	11.83	12.30	12.94	15.03	16.10	17.90	27.20	44.26
PMP	13.29	19.63	21.46	22.14	22.77	22.62	23.50	25.30	28.54	31.25	36.30	53.91	90.25
MEAN	1.699	2.293	2.459	2.559	2.656	2.714	2.845	3.120	3.620	4.072	4.941	7.250	13.971
CLOCK HR. COR.	1.140	1.870	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.478	.599	.632	.736	.665	.655	.600	.735	.810	.650	.458	.579	.191
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	2.590	2.832	2.778	2.860	2.711	2.594	2.709	3.125	2.669	3.413	3.175	3.221	4.036
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1952	1956	1956	1956	1956	1956	1956	1960	1960	1960	1952	1952	1952
RECORD MAXIMUM	2.720	4.330	4.610	4.460	4.490	4.990	5.360	6.180	7.480	8.770	13.520	24.060	
NORMALIZED MAX	1.390	1.883	1.930	1.898	2.041	1.984	2.099	2.272	2.091	2.400	2.705	2.211	3.232
CALC. COEF. VAR	.433	.472	.453	.428	.431	.423	.421	.432	.338	.347	.352	.391	.311
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USEO. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	.1216	.1641	.1760	.1832	.1901	.1943	.2036	.2233	.2591	.2915	.3536	.5190	1.0000
RP10/A	.1957	.2747	.2972	.3080	.3184	.3213	.3354	.3650	.4181	.4651	.5547	.8174	1.0000
RP25/A	.2382	.3401	.3689	.3819	.3943	.3964	.4133	.4464	.5122	.5649	.6634	.9837	1.7435
RP50/A	.2691	.3870	.4213	.4359	.4490	.4513	.4703	.5055	.5809	.6373	.7412	1.1037	1.9253
RP100/A	.2992	.4347	.4725	.4888	.5041	.5051	.5261	.5631	.6482	.7079	.8104	1.2202	2.1002
RP1000/A	.3957	.5854	.6379	.6592	.6792	.6783	.7054	.7478	.8651	.9342	1.0543	1.5909	2.4493
RP10000/A	.4489	.7321	.7984	.8247	.8493	.8467	.8806	.9260	1.0758	1.1526	1.2810	1.9466	3.1683
PMP/A	.9514	1.6449	1.5357	1.5845	1.6301	1.6194	1.6820	1.8108	2.0431	2.2370	2.6027	3.9585	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C60 4863 0	STATION NAME LEBEC	ELEV 3565	SEC 26	TWP 09N	RNG LOT 19W P	HWM S	LATITUDE 34.833	LONGITUDE 118.845	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.00	2.57	2.83	2.96	3.09	3.21	3.34	3.64	4.00	4.45	5.19	7.09	11.80
5	2.93	3.93	4.37	4.55	4.73	4.85	5.04	5.42	5.90	6.48	7.40	10.17	14.00
10	3.56	4.85	5.41	5.63	5.85	5.97	6.18	6.61	7.19	7.84	8.82	11.97	16.67
20	4.15	5.73	6.40	6.66	6.91	7.03	7.28	7.73	8.43	9.12	10.14	14.08	21.12
25	4.33	6.01	6.71	6.98	7.24	7.37	7.62	8.08	8.81	9.52	10.55	14.67	21.87
40	4.71	6.59	7.36	7.65	7.93	8.06	8.34	8.81	9.62	10.35	10.75	15.89	24.43
50	4.89	6.86	7.67	7.96	8.26	8.39	8.67	9.15	10.00	10.74	11.78	16.46	24.15
100	5.44	7.68	8.60	8.93	9.25	9.34	9.70	10.19	11.15	11.93	12.98	18.20	26.35
200	5.98	8.50	9.52	9.88	10.24	10.37	10.71	11.21	12.29	13.10	14.14	19.90	29.48
1000	7.20	10.35	11.61	12.04	12.47	12.40	13.01	13.53	14.89	15.74	16.76	23.73	35.24
10000	8.89	12.94	14.53	15.07	15.53	15.73	16.23	16.76	18.51	19.42	20.37	29.03	39.75
PMP	17.30	24.83	27.95	28.95	29.92	30.09	31.01	32.77	35.16	37.69	41.38	57.45	81.04
MEAN	2.211	2.900	3.204	3.347	3.490	3.610	3.754	4.041	4.459	4.911	5.622	7.740	12.545
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.489	1.506	2.352	2.058	1.879	1.778	1.642	1.731	1.745	1.698	1.364	1.175	1.602
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	4.018	5.773	10.717	9.301	8.316	7.430	7.494	7.242	6.973	7.117	5.756	3.840	6.099
N	24	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944
RECORD MAXIMUM	4.000	7.310	10.290	10.290	10.740	10.740	11.260	11.710	12.610	13.580	14.130	14.910	27.360
NORMALIZED MAX	1.424	2.808	3.465	3.611	3.549	3.466	3.504	3.300	3.336	3.383	3.184	2.502	3.280
CALC. COEF. VAR	.444	.542	.604	.574	.585	.570	.561	.548	.488	.522	.475	.453	.360
REGN. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USEO. COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	.1763	.2312	.2554	.2668	.2782	.2877	.2993	.3221	.3554	.3915	.4482	.6170	1.0000
RP10/A	.2837	.3870	.4312	.4486	.4649	.4758	.4929	.5265	.5735	.6247	.7030	.9718	1.4879
RP25/A	.3473	.4791	.5352	.5583	.5770	.5871	.6074	.6440	.7025	.7587	.8407	1.1696	1.7435
RP50/A	.3901	.5465	.6112	.6349	.6582	.6684	.6912	.7292	.7968	.8560	.9393	1.3122	1.9253
RP100/A	.4338	.6124	.6856	.7119	.7377	.7480	.7731	.8123	.8891	.9509	1.0347	1.4507	2.1002
RP1000/A	.5737	.8249	.9254	.9600	.9939	1.0046	1.0373	1.0787	1.1866	1.2548	1.3362	1.9105	2.6433
RP10000/A	.7038	1.0314	1.1584	1.2010	1.2427	1.2539	1.2939	1.3358	1.4756	1.5482	1.6234	2.3144	3.1683
PMP/A	1.3792	1.9791	2.2281	2.3076	2.3852	2.3983	2.4719	2.6122	2.8024	3.0046	3.2984	4.5874	6.4600

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C60 6754 0	STATION NAME PATTIWAY	ELEV 386P	SEC 19	TWP 10N	RNG LOT 23M E	HMM 14	LATITUDE 34.941	LONGITUDE 119.381	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.79	1.65	1.77	1.87	2.02	2.12	2.23	2.39	2.66	2.95	3.53	4.74	8.88
5	2.02	2.52	2.73	2.87	3.08	3.20	3.36	3.56	3.93	4.30	5.03	6.80	12.05
10	2.45	3.12	3.34	3.54	3.81	3.94	4.12	4.34	4.80	5.19	5.99	8.15	14.05
25	2.98	3.68	4.00	4.19	4.50	4.64	4.85	5.07	5.62	6.04	6.88	9.41	15.90
40	3.26	3.69	4.19	4.39	4.72	4.86	5.08	5.30	5.87	6.31	7.15	9.80	16.47
50	3.37	4.40	4.79	5.02	5.38	5.53	5.78	6.01	6.66	7.12	8.00	11.00	18.19
100	3.75	4.93	5.37	5.62	6.03	6.19	6.47	6.69	7.43	7.90	8.82	12.16	19.84
200	4.12	5.46	5.94	6.22	6.67	6.84	7.14	7.36	8.19	8.68	9.61	13.29	21.44
1000	4.34	6.64	7.25	7.58	8.13	8.31	8.68	8.88	9.92	10.43	11.38	15.85	25.03
10000	6.13	8.31	9.08	9.49	10.16	10.37	10.82	11.00	12.34	12.87	13.83	19.40	29.93
PMP	11.92	15.94	17.45	18.23	19.50	19.84	20.67	21.52	23.43	24.98	28.10	38.45	61.02
MEAN	1.593	1.862	2.001	2.107	2.274	2.390	2.503	2.653	2.977	3.254	3.818	5.172	9.446
CLOCK WR. COR.	1.140	1.701	1.808	1.820	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	1.996	3.163	3.007	2.667	2.389	2.191	2.074	1.926	1.500	1.470	1.118	1.804	
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	10.942	18.429	16.771	14.425	11.649	9.771	9.069	8.332	9.255	7.177	6.084	3.764	3.321
N	68	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1961
RECORD MAXIMUM	4.150	6.650	7.360	7.430	7.980	7.891	7.850	8.286	9.500	9.880	10.200	11.110	19.020
NORMALIZED MAX	3.910	5.626	5.092	5.024	4.742	4.433	4.493	4.252	4.491	4.134	3.680	2.664	2.812
CALC. COEF. VAR	.441	.508	.526	.503	.516	.517	.485	.497	.489	.478	.456	.431	.360
REGN. COEF. VAR	.465	.504	.515	.510	.505	.499	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.465	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	.1613	.1972	.2118	.2231	.2408	.2520	.2650	.2809	.3144	.3445	.4042	.5475	1.0000
RP10/A	.2595	.3308	.3574	.3767	.4091	.4291	.4537	.4898	.5498	.6024	.6824	.8824	1.4971
RP25/A	.3160	.4085	.4439	.4652	.4995	.5141	.5378	.5615	.6219	.6677	.7583	1.0379	1.7435
RP50/A	.3549	.4660	.5069	.5309	.5697	.5853	.6120	.6358	.7053	.7533	.8473	1.1644	1.9253
RP100/A	.3949	.5222	.5686	.5953	.6385	.6551	.6845	.7083	.7870	.8368	.9333	1.2873	2.1002
RP1000/A	.5214	.7035	.7675	.8028	.8603	.8758	.9184	.9466	1.0504	1.1043	1.2053	1.6785	2.4453
RP10000/A	.6485	.8795	.9608	1.0044	1.0757	1.0980	1.1456	1.1848	1.3062	1.3625	1.4643	2.0538	3.1683
PMP/A	1.2619	1.8777	1.8479	1.9298	2.0646	2.1002	2.1887	2.2777	2.4408	2.6442	2.9752	4.0709	6.4600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB C60 4826 0	STATION NAME TEMAHCHAPI	ELEV 3975	SEC 21	TWP 32S	RNG LOT 33F C	HMM 14	LATITUDE 35.134	LONGITUDE 118.442	COUNTY CODE 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.74	1.88	1.98	2.08	2.18	2.31	2.44	2.78	3.03	3.58	4.86	9.55
5	2.13	2.66	2.90	3.05	3.18	3.30	3.47	3.69	4.11	4.41	5.10	6.97	12.95
10	2.58	3.29	3.60	3.77	3.93	4.06	4.26	4.50	5.01	5.33	6.08	8.36	15.11
20	3.01	3.88	4.26	4.46	4.65	4.78	5.02	5.28	5.87	6.20	6.99	9.65	17.09
25	3.14	4.07	4.46	4.67	4.87	5.00	5.26	5.56	6.14	6.48	7.27	10.06	17.70
40	3.42	4.46	4.90	5.12	5.34	5.48	5.75	6.00	6.70	7.04	7.41	10.89	18.96
50	3.55	4.64	5.10	5.33	5.56	5.70	5.98	6.23	6.96	7.31	8.12	11.28	19.55
100	3.95	5.20	5.72	5.98	6.23	6.37	6.68	6.94	7.77	8.12	8.95	12.48	21.33
200	4.34	5.75	6.33	6.62	6.89	7.04	7.39	7.63	8.56	8.91	9.75	13.64	23.05
1000	5.22	7.01	7.72	8.06	8.39	8.56	8.97	9.21	10.37	10.71	11.55	16.27	24.90
10000	6.45	8.76	9.66	10.09	10.49	10.69	11.20	11.41	12.90	13.22	14.04	19.90	32.17
PMP	12.58	16.81	18.59	19.38	20.14	20.44	21.39	22.31	24.44	25.65	28.52	38.45	65.59
MEAN	1.605	1.964	2.130	2.241	2.348	2.452	2.589	2.751	3.106	3.342	3.875	5.306	10.154
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.066	1.079	.852	1.031	1.036	1.091	1.486	1.291	1.102	.965	.807	1.078	.609
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KURTOSIS	3.864	4.708	4.121	9.331	8.367	7.054	6.168	5.414	4.187	3.840	3.394	4.390	2.967
N	53	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1971	1933	1933	1933	1933	1933	1933	1933	1933	1933	1971	1969	1906
RECORD MAXIMUM	3.290	4.800	4.970	7.110	7.110	7.110	7.110	7.110	7.110	7.110	7.740	12.320	16.610
NORMALIZED MAX	2.138	3.044	3.001	4.312	4.068	3.816	3.665	3.486	2.681	2.607	3.193	2.320	
CALC. COEF. VAR	.491	.474	.444	.504	.498	.498	.476	.455	.423	.421	.393	.411	.359
REGN. COEF. VAR	.459	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
USED COEF. VAR	.455	.504	.515	.510	.505	.489	.484	.474	.459	.445	.424	.429	.364
MEAN/A	.1580	.1934	.2098	.2207	.2313	.2415	.2550	.2709	.3059	.3291	.3810	.5226	1.0000
RP10/A	.2543	.3237	.3542	.3711	.3874	.3994	.4200	.4428	.4936	.5253	.5986	.8231	1.4879
RP25/A	.3096	.4008	.4397	.4601	.4798	.4928	.5176	.5416	.6047	.6379	.7159	.9906	1.7435
RP50/A	.3498	.4571	.5021	.5252	.5473	.5610	.5890	.6133	.6858	.7197	.7959	1.1113	1.9253
RP100/A	.3849	.5122	.5613	.5819	.6134	.6278	.6588	.6832	.7593	.7995	.8811	1.2286	2.1002
RP1000/A	.5143	.6900	.7603	.7941	.8264	.8432	.8839	.9072	1.0213	1.0550	1.1378	1.6020	2.6493
RP10000/A	.6355	.8626	.9517	.9935	1.0333	1.0524	1.1026	1.1235	1.2701	1.3017	1.3824	1.9601	3.1683
PMP/A	1.2366	1.6553	1.8305	1.9089	1.9832	2.0130	2.1065	2.1969	2.4222	2.5262	2.8687	3.8853	6.4600

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB C70 5338 0	STATION NAME MARICOPA	ELEV 680	SEC 31	TWP 12N	RNG LOT 24W N	HMM S	LATITUDE 35.080	LONGITUDE 118.363	COUNTY 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.00	1.15	1.22	1.26	1.32	1.37	1.44	1.57	1.79	1.93	2.24	3.02	5.37
5	1.39	1.63	1.76	1.83	1.91	1.99	2.17	2.26	2.62	2.80	3.23	4.32	7.38
10	1.64	1.96	2.12	2.21	2.31	2.41	2.63	2.72	3.18	3.38	3.84	5.16	8.65
20	1.88	2.27	2.46	2.58	2.69	2.81	3.06	3.15	3.72	3.93	4.41	5.95	9.82
25	1.95	2.37	2.57	2.69	2.81	2.94	3.20	3.28	3.89	4.10	4.58	6.20	10.18
40	2.11	2.57	2.80	2.93	3.06	3.20	3.49	3.56	4.24	4.46	4.97	6.71	10.93
50	2.18	2.66	2.90	3.04	3.18	3.32	3.62	3.70	4.41	4.63	5.11	6.95	11.27
100	2.41	2.96	3.23	3.39	3.54	3.70	4.03	4.10	4.91	5.14	5.63	7.68	12.32
200	2.63	3.24	3.55	3.73	3.89	4.07	4.44	4.49	5.41	5.63	6.13	8.39	13.34
1000	3.12	3.90	4.27	4.50	4.70	4.91	5.36	5.38	6.54	6.77	7.25	9.99	16.41
10000	3.61	4.61	5.29	5.57	5.82	6.09	6.65	6.63	8.13	8.34	8.79	12.22	18.72
MPH	7.24	9.02	9.96	10.52	11.00	11.50	12.58	12.80	15.40	16.16	17.49	24.16	36.45
MEAN	1.090	1.266	1.351	1.400	1.458	1.522	1.652	1.728	1.987	2.131	2.473	3.296	5.725
CLOCK HR. COR.	1.140	1.270	1.360	1.400	1.460	1.510	1.640	1.708	1.968	2.112	2.454	3.278	5.725
CALCULATED SKEW	1.242	1.455	1.556	1.614	1.676	1.738	1.908	2.000	2.312	2.456	2.898	3.721	6.251
REGIONAL SKEW	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
SKEW USED	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.300	1.400	1.300	1.100	1.200	1.000
KUNTOGIS	5.067	7.268	7.732	8.149	11.197	14.923	14.603	13.620	17.645	16.207	18.019	16.491	10.807
RECORD YEAR	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD MAXIMUM	1.962	1.962	1.962	1.962	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943
NORMALIZED MAX	2.440	3.710	4.010	4.310	4.580	4.870	7.050	7.050	9.180	9.440	10.710	14.110	18.930
CALC. COEF. VAR	2.420	3.521	3.394	3.636	4.480	5.087	5.176	5.083	5.508	5.305	5.575	5.442	4.786
REGN. COEF. VAR	.445	.548	.580	.571	.615	.652	.631	.606	.657	.637	.597	.603	.486
USED COEF. VAR	.376	.408	.425	.434	.437	.437	.441	.427	.450	.439	.413	.422	.381
MEAN/A	.376	.408	.425	.434	.437	.437	.441	.427	.450	.439	.413	.422	.381
RP10/A	1.1905	1.2212	1.2359	1.2446	1.2547	1.2650	1.2885	1.3018	1.3470	1.3722	1.4320	1.5757	1.9000
RP25/A	1.2863	1.3418	1.3699	1.3865	1.4032	1.4212	1.4586	1.4744	1.5558	1.5910	1.6713	1.9014	1.0000
RP50/A	1.3414	1.4132	1.4492	1.4705	1.4910	1.5131	1.5592	1.5735	1.6793	1.7167	1.8006	1.0429	1.7783
RP100/A	1.414	1.4653	1.5071	1.5318	1.5552	1.5803	1.6327	1.6454	1.7696	1.8080	1.8932	1.2138	1.9685
RP1000/A	1.5004	1.5104	1.5618	1.5919	1.6180	1.6440	1.7047	1.7156	1.8579	1.8947	1.9827	1.3408	2.1516
RP10000/A	1.5453	1.6810	1.7467	1.7855	1.8200	1.8579	1.9367	1.9404	1.1427	1.1820	1.2659	1.7456	2.7264
MPH/A	1.6659	1.8408	1.9243	1.9736	1.0173	1.0638	1.1621	1.1575	1.1494	1.4572	1.5355	2.1337	3.2696
MPH/A	1.2666	1.5748	1.7396	1.8370	1.9206	2.0089	2.1969	2.2348	2.6895	2.8233	3.1084	4.2202	6.7150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB 000 A74 0	STATION NAME HEN LOAN	ELEV 504	SEC 19	TWP 1S	RNG LOT 12W	HMM N	LATITUDE 37.050	LONGITUDE 122.100	COUNTY 44				
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.16	7.41	9.44	4.22	10.31	10.49	12.23	13.34	15.20	17.45	21.21	29.28	46.79
5	8.66	11.09	15.09	13.16	14.24	15.53	17.14	18.64	21.08	24.06	29.12	40.38	64.24
10	10.24	12.51	14.55	15.75	17.43	18.44	21.31	21.91	24.87	29.13	33.86	47.15	74.67
20	11.42	15.03	16.87	17.17	20.02	21.74	23.10	24.83	27.92	31.57	36.10	53.27	82.18
25	12.30	16.70	17.60	18.22	20.43	21.85	24.04	25.81	28.41	32.65	34.34	55.15	84.79
40	13.24	17.24	18.11	18.49	21.22	21.63	25.92	27.64	30.94	34.85	42.02	58.97	90.12
50	13.75	17.74	18.82	19.21	22.20	22.31	27.77	28.56	31.88	35.87	43.23	60.74	92.58
100	15.16	19.74	21.49	23.44	25.61	26.67	34.35	31.19	34.71	48.91	46.87	100.00	
200	16.54	21.74	24.10	25.61	27.92	28.97	31.85	33.74	37.42	41.83	50.36	71.20	107.14
400	18.65	26.17	28.40	31.56	33.04	34.10	37.46	39.40	43.44	48.23	58.02	122.55	122.93
1000	21.95	32.41	35.49	37.31	40.12	41.11	45.12	47.09	51.55	56.40	68.27	147.84	144.22
MPH	47.07	61.02	88.74	138.1	181.41	185.61	93.71	106.26	112.84	127.80	153.14	213.45	304.14
MEAN	6.882	8.200	9.232	11.050	11.152	11.866	13.187	14.231	16.051	18.297	22.218	30.890	51.027
CLOCK HR. COR.	1.143	1.174	1.140	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.147	1.215	1.126	1.067	1.011	1.030	1.020	1.051	1.008	1.041	1.436	1.331	1.055
REGIONAL SKEW	1.200	1.400	1.360	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.360	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KUNTOGIS	1.444	4.265	4.625	4.521	3.321	1.262	1.103	1.657	2.515	2.329	2.365	2.652	3.188
RECORD YEAR	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD MAXIMUM	11.156	16.420	19.170	19.520	22.330	23.080	26.390	27.230	30.340	32.220	36.610	52.850	86.010
NORMALIZED MAX	1.678	2.263	2.443	2.127	2.428	2.303	2.486	2.287	2.174	2.000	1.603	1.922	2.006
CALC. COEF. VAR	.295	.308	.331	.315	.276	.276	.284	.284	.284	.284	.284	.284	.284
REGN. COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.397	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.423	.417	.410	.403	.402	.397	.393	.394	.332
MEAN/A	1.1309	1.1807	1.1809	1.1969	1.2145	1.2313	1.2669	1.2789	1.3146	1.3586	1.4354	1.6054	1.0000
RP10/A	1.2017	1.2531	1.2851	1.3086	1.3416	1.3605	1.3980	1.4256	1.4836	1.5493	1.6635	1.9241	1.4437
RP25/A	1.2411	1.3177	1.3449	1.3734	1.3942	1.4282	1.4720	1.5388	1.5666	1.6399	1.7719	1.0807	1.6617
RP50/A	1.2953	1.3884	1.4157	1.4460	1.4764	1.5068	1.5644	1.5922	1.7021	1.7493	1.9104	1.6184	
RP100/A	1.3071	1.3888	1.4307	1.4593	1.5019	1.5227	1.5752	1.6113	1.6801	1.7626	1.9186	1.2949	1.9598
RP1000/A	1.3464	1.5123	1.5605	1.5991	1.6475	1.6882	1.7340	1.7721	1.8513	1.9452	1.1370	1.6177	2.4091
RP10000/A	1.4012	1.7352	1.6975	1.7412	1.7463	1.8057	1.8462	1.9228	1.1012	1.1131	1.1374	1.9175	2.8204
MPH/A	1.9255	1.1372	1.3479	1.4400	1.5364	1.6377	1.8385	1.9644	2.2114	2.5046	3.0822	4.1330	5.9000

PREPARED TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DISTRIBUTION ESTIMATE TABLE

STATION NO.	STATION NAME	ELV	SEC	TAP	WNG	LOT	WNG	LATITUDE	LONGITUDE	COUNTY CODE
HSN ORDER SUB	DAVEPORT	000	1005	0	000	1005	0	37.107	122.000	44
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
1	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
5	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
10	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
20	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
50	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
100	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
200	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
500	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
1000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424

STATION NO.	STATION NAME	ELV	SEC	TAP	WNG	LOT	WNG	LATITUDE	LONGITUDE	COUNTY CODE
HSN ORDER SUB	DAVEPORT	000	1005	0	000	1005	0	37.107	122.000	44
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
1	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
5	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
10	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
20	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
50	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
100	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
200	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
500	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
1000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424

PRECIPITATION DISTRIBUTION ESTIMATE TABLE

STATION NO.	STATION NAME	ELV	SEC	TAP	WNG	LOT	WNG	LATITUDE	LONGITUDE	COUNTY CODE
HSN ORDER SUB	DAVEPORT	000	1005	0	000	1005	0	37.107	122.000	44
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
1	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
5	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
10	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
20	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
50	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
100	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
200	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
500	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
1000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424

STATION NO.	STATION NAME	ELV	SEC	TAP	WNG	LOT	WNG	LATITUDE	LONGITUDE	COUNTY CODE
HSN ORDER SUB	DAVEPORT	000	1005	0	000	1005	0	37.107	122.000	44
MAXIMUM PRECIPITATION FOR INDICATED DURATION (DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
1	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
5	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
10	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
20	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
50	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
100	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
200	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
500	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
1000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424
2000	6.422	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424	6.424

PEAKSTORM TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 *HEREIN IS MAXIMUM PRECIPITATION AND NOT FEASIBLE

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. H&N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
D10 3417 0	GILROY	173	194	2A	11S	04E	M	37.000	121.547	43

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	2.67	3.14	3.43	3.65	3.81	3.94	4.14	4.31	4.62	4.87	5.18
5	3.48	4.00	4.32	4.55	4.73	4.88	5.09	5.26	5.61	5.87	6.20
10	4.13	4.56	4.82	5.05	5.23	5.38	5.59	5.76	6.11	6.37	6.70
20	4.75	5.17	5.42	5.65	5.83	5.98	6.19	6.36	6.71	6.97	7.30
25	4.94	5.36	5.61	5.84	6.02	6.17	6.38	6.55	6.90	7.16	7.49
40	5.34	5.75	6.00	6.23	6.41	6.56	6.77	6.94	7.29	7.55	7.88
50	5.53	5.94	6.19	6.42	6.60	6.75	6.96	7.13	7.48	7.74	8.07
100	6.19	6.60	6.85	7.08	7.26	7.41	7.62	7.79	8.14	8.40	8.73
200	6.84	7.25	7.50	7.73	7.91	8.06	8.27	8.44	8.79	9.05	9.38
300	7.09	7.50	7.75	7.98	8.16	8.31	8.52	8.69	9.04	9.30	9.63
1000	7.89	8.30	8.55	8.78	8.96	9.11	9.32	9.49	9.84	10.10	10.43
10000	9.62	10.03	10.28	10.51	10.69	10.84	11.05	11.22	11.57	11.83	12.16
PMF	18.91	20.24	21.07	21.80	22.43	22.96	23.60	24.13	25.05	25.68	26.50

MEAN	2.684	3.529	3.987	4.310	4.566	4.783	5.010	5.271	5.554	5.854	6.160
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.743	1.645	1.500	1.350	1.240	1.150	1.070	1.000	0.900	0.800	0.680
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	0.900	0.800	0.600
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	0.900	0.800	0.600

KURTOSIS	7.429	5.929	5.994	4.879	4.725	4.505	4.397	3.843	3.409	3.181	2.796
N	99	99	99	99	99	99	99	99	99	99	98
RECORD YEAR	1966	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	7.130	6.440	6.100	5.750	5.450	5.150	4.850	4.550	4.250	3.950	3.650
NORMALIZED MAX	3.605	3.708	3.899	3.594	3.801	3.806	3.673	3.504	3.337	3.180	2.524
CALC. COEF. VAR	.459	.407	.355	.448	.450	.456	.445	.423	.408	.398	.344
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.334
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.334

MEAN/A	.1312	.1725	.1949	.2107	.2281	.2436	.2644	.2821	.3204	.3503	.4132
RP10/A	.2021	.2716	.3071	.3301	.3565	.3798	.4098	.4343	.4925	.5365	.6297
RP25/A	.2416	.3303	.3716	.3967	.4254	.4511	.4859	.5116	.5771	.6251	.7326
RP50/A	.2701	.3731	.4184	.4447	.4757	.5018	.5400	.5661	.6303	.6886	.8041
RP100/A	.2977	.4151	.4602	.4833	.5237	.5506	.5921	.6169	.6927	.7444	.8718
RP1000/A	.3858	.5504	.6102	.6388	.6757	.7038	.7587	.7809	.8833	.1.0701	1.5075
RP10000/A	.6703	.6817	.7514	.7281	.8205	.8487	.9103	.9334	1.0289	1.0873	1.2697
PMF/A	.9244	1.2850	1.4520	1.5474	1.6649	1.7673	1.8907	1.9874	2.2523	2.4466	2.8492

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. H&N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
D10 3925 0	HERNANDEZ 2 NW	2160	29	17S	10E	M		36.417	120.917	35

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.93	2.44	2.63	2.83	3.06	3.31	3.68	4.01	4.70	5.39	6.30
5	2.72	3.52	3.79	4.05	4.35	4.68	5.17	5.58	6.51	7.44	8.65
10	3.23	4.26	4.56	4.84	5.18	5.54	6.11	6.56	7.62	8.66	10.06
20	3.71	4.96	5.29	5.58	5.95	6.34	6.98	7.46	8.63	9.76	11.32
25	3.86	5.18	5.52	5.86	6.14	6.59	7.24	7.73	8.93	10.09	11.71
40	4.17	5.64	6.00	6.30	6.60	7.09	7.80	8.29	9.56	10.77	12.49
50	4.32	5.85	6.22	6.52	6.81	7.33	8.05	8.55	9.85	11.08	12.85
100	4.76	6.51	6.90	7.20	7.61	8.04	8.83	9.34	10.72	12.02	13.93
200	5.19	7.10	7.56	7.87	8.29	8.73	9.58	10.11	11.56	12.92	14.97
300	5.67	7.63	8.07	8.38	8.81	9.24	10.28	11.27	12.81	14.00	16.24
1000	7.52	10.69	11.17	11.47	11.92	12.39	13.57	14.11	15.93	17.55	20.29
10000	14.78	20.15	21.58	22.69	24.18	25.80	28.19	30.03	34.87	39.49	45.52

MEAN	2.099	2.705	2.896	3.089	3.312	3.557	3.943	4.263	4.960	5.654	6.603
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.120	2.073	1.916	1.403	1.333	1.079	1.033	1.020	0.911	0.885	0.797
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	0.900	0.800	0.600
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	0.900	0.800	0.600

KURTOSIS	6.630	9.240	7.412	5.720	5.228	4.111	3.629	3.586	2.791	2.778	2.928
N	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.640	6.270	6.690	6.940	7.360	7.530	7.920	8.300	9.100	10.170	12.430
NORMALIZED MAX	2.129	3.124	3.067	2.938	2.907	2.686	2.410	2.331	2.022	2.005	2.219
CALC. COEF. VAR	.345	.422	.427	.424	.420	.416	.417	.417	.417	.417	.398
REGION. COEF. VAR	.403	.430	.430	.430	.430	.430	.430	.430	.402	.399	.393
USED COEF. VAR	.403	.430	.430	.430	.430	.430	.430	.430	.402	.399	.393

MEAN/A	.1325	.1708	.1829	.1951	.2092	.2246	.2490	.2692	.3132	.3571	.4170
RP10/A	.2041	.2690	.2882	.3057	.3270	.3502	.3858	.4145	.4815	.5370	.6354
RP25/A	.2440	.3271	.3497	.3753	.3906	.4159	.4575	.4882	.5642	.6373	.7393
RP50/A	.2728	.3896	.4126	.4366	.4520	.4762	.5203	.5421	.6221	.6948	.8166
RP100/A	.3008	.4111	.4355	.4550	.4803	.5077	.5576	.5901	.6772	.7594	.8797
RP1000/A	.3897	.5451	.5727	.5924	.6197	.6490	.7116	.7453	.8477	.9412	1.0899
RP10000/A	.6750	.6752	.7051	.7242	.7525	.7826	.8571	.8908	1.0059	1.1085	1.2813
PMF/A	.9337	1.2726	1.3627	1.4328	1.5269	1.6296	1.7803	1.8908	2.2020	2.4442	2.8472

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	T&P	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY CODE				
010 5973 0	MOUNT MADONNA	1800	35	105	DZE	M	37.017	121.717	44				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	100	150	200	300	600	3650
2	4.50	5.57	6.33	6.93	7.52	8.07	9.02	9.83	10.90	12.37	14.52	20.07	34.43
5	6.32	8.04	9.11	9.75	10.68	11.40	12.67	13.70	15.12	17.06	19.94	27.68	45.33
10	7.52	9.72	10.96	11.67	12.72	13.51	14.99	16.10	17.70	19.87	23.18	32.32	51.99
20	8.64	11.31	12.71	13.46	14.61	15.45	17.11	18.29	20.02	22.39	26.09	36.51	58.00
25	8.99	11.82	13.26	14.02	15.20	16.05	17.77	18.96	20.73	23.15	26.97	37.80	59.84
40	9.71	12.86	14.40	15.18	16.44	17.29	19.12	20.34	22.19	24.71	28.77	40.42	63.60
50	10.05	13.35	14.93	15.72	16.97	17.85	19.75	20.98	22.86	25.43	29.40	41.63	65.34
100	11.00	14.85	16.56	17.37	18.69	19.50	21.45	22.67	24.89	27.58	32.10	45.29	70.57
200	12.08	16.33	18.16	18.94	20.36	21.18	23.50	24.79	26.84	29.63	34.48	48.80	75.61
1000	14.35	19.49	21.78	22.61	24.11	24.94	27.63	28.95	31.15	34.19	39.73	56.58	86.76
10000	17.44	24.39	26.82	27.64	29.27	30.19	33.28	34.60	36.97	40.27	46.75	67.06	101.78
PMF	18.38	25.97	31.92	32.84	34.46	35.38	38.13	39.56	42.02	45.60	52.00	74.30	111.34
MEAN	4.481	6.171	6.956	7.449	8.137	8.667	9.669	10.456	11.511	12.971	15.214	21.172	36.011
CLOCK HR. CUR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.377	1.338	1.266	1.247	1.214	1.189	1.180	1.286	.854	.811	1.135	.621	.250
REGIONAL SKEW	1.200	1.400	1.300	1.230	1.100	1.000	1.000	.900	.800	.700	.700	.800	.800
SKEW USED	1.200	1.400	1.300	1.230	1.100	1.000	1.000	.900	.800	.700	.700	.800	.800
KURTOSIS	4.349	4.118	5.092	5.893	6.254	6.927	5.057	4.741	3.301	3.796	4.389	3.058	1.943
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1951	1951	1951	1951	1951	1951	1951	1951	1951	1951	1951	1951	1951
RECORD MAXIMUM	10.870	13.750	19.120	21.100	24.400	24.530	24.770	24.770	29.430	34.560	38.970	54.630	86.000
NORMALIZED MAX	2.148	1.987	2.414	2.911	2.944	2.882	2.788	2.684	2.264	2.502	2.704	2.135	1.626
CALC. COEF. VAR	.571	.619	.652	.632	.658	.630	.557	.510	.509	.507	.470	.394	.318
REGION. COEF. VAR	.403	.430	.430	.424	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1355	.1714	.1932	.2068	.2260	.2407	.2605	.2904	.3197	.3602	.4225	.5879	1.0000
RP10/A	.2088	.2699	.3044	.3240	.3532	.3752	.4160	.4470	.4914	.5519	.6438	.8975	1.4437
RP25/A	.2496	.3282	.3683	.3894	.4220	.4457	.4934	.5266	.5758	.6428	.7490	1.0496	1.6617
RP50/A	.2790	.3707	.4147	.4305	.4713	.4948	.5483	.5827	.6349	.7051	.8221	1.1562	1.8144
RP100/A	.3076	.4126	.4559	.4722	.5189	.5440	.6012	.6364	.6912	.7660	.8913	1.2576	1.8988
RP1000/A	.3185	.4468	.4948	.5129	.5645	.5854	.6473	.6838	.7451	.8495	1.1033	1.5711	2.4091
RP10000/A	.4858	.6774	.7447	.7676	.8129	.8395	.9242	.9607	1.0265	1.1182	1.2992	1.8623	2.8264
PMF/A	.9548	1.2767	1.4391	1.5187	1.6495	1.7460	1.9197	2.0456	2.2472	2.5160	2.9131	4.0627	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	T&P	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY CODE				
010 5973 11	MT MADONNA COUNTY PARK	1840	01	115	DZE H	M	37.012	121.703	43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	100	150	200	300	600	3650
2	3.25	4.11	4.64	5.02	5.44	5.85	6.47	7.11	8.06	9.74	10.04	14.95	25.40
5	4.57	6.05	6.68	7.16	7.72	8.26	9.09	9.93	11.17	12.11	13.93	20.61	33.44
10	5.43	7.31	8.04	8.57	9.19	9.78	10.75	11.64	13.08	14.10	16.09	24.07	38.35
20	6.24	8.51	9.33	9.89	10.54	11.18	12.27	13.22	14.80	15.88	18.10	27.19	42.78
25	6.49	8.88	9.73	10.30	10.98	11.62	12.75	13.71	15.32	16.43	18.72	28.15	44.14
40	7.02	9.67	10.57	11.13	11.89	12.51	13.72	14.71	16.40	17.53	19.97	30.10	46.91
50	7.26	10.04	10.96	11.58	12.27	12.93	14.17	15.17	16.90	18.04	20.54	31.01	48.19
100	8.00	11.16	12.15	12.75	13.51	14.18	15.53	16.57	18.40	19.67	22.27	33.73	52.06
200	8.73	12.27	13.32	13.94	14.71	15.40	16.86	17.9	19.84	21.04	23.93	36.35	55.77
1000	10.37	14.80	15.98	16.60	17.43	18.13	19.82	20.93	23.02	24.26	27.57	41.12	63.99
10000	12.64	18.34	19.68	20.30	21.19	21.86	23.98	25.01	27.32	28.57	32.44	49.94	75.07
PMF	24.85	34.56	38.02	40.16	42.94	45.52	49.60	53.26	59.81	64.29	72.79	108.95	158.84
MEAN	3.597	4.639	5.104	5.468	5.892	6.274	6.937	7.560	8.508	9.205	10.555	15.767	26.562
CLOCK HR. CUR.	1.160	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.495	.977	1.158	1.206	1.108	.853	.534	.539	.599	.565	.554	.354	-.038
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.700	.800	.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700	.700	.800	.800
KURTOSIS	5.887	3.793	5.155	4.983	4.445	4.171	3.043	2.937	2.948	3.028	3.174	2.793	3.276
N	35	35	35	35	35	35	35	35	35	35	35	37	37
RECORD YEAR	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1967
RECORD MAXIMUM	8.250	10.420	12.970	13.430	14.940	15.180	16.34	18.070	19.760	21.310	33.220	50.340	84.000
NORMALIZED MAX	2.661	2.487	3.061	3.772	3.011	2.966	2.471	2.441	2.251	2.763	2.426	2.133	2.007
CALC. COEF. VAR	.503	.501	.504	.436	.514	.489	.543	.476	.499	.491	.491	.446	.446
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1329	.1746	.1921	.2054	.2214	.2362	.2612	.2846	.3203	.3445	.3974	.5936	1.0000
RP10/A	.2045	.2750	.3028	.3226	.3461	.3683	.4047	.4382	.4924	.5308	.6056	.9062	1.4437
RP25/A	.2445	.3344	.3663	.3876	.4135	.4374	.4799	.5161	.5769	.6184	.7048	1.0598	1.6617
RP50/A	.2733	.3776	.4125	.4365	.4514	.4869	.5281	.5612	.6361	.6793	.7733	1.1613	1.8144
RP100/A	.3013	.4203	.4574	.4801	.5085	.5339	.5848	.6238	.6925	.7369	.8384	1.2698	1.9598
RP1000/A	.3904	.5563	.6016	.6251	.6561	.6825	.7463	.7877	.8668	.9135	1.0378	1.5863	2.4091
RP10000/A	.4759	.6903	.7407	.7643	.7966	.8230	.8990	.9417	1.0286	1.0757	1.2212	1.8802	2.8264
PMF/A	.9154	1.3111	1.4315	1.5121	1.6145	1.7138	1.9733	2.0051	2.2915	2.4425	2.7403	4.0118	5.9600

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

MEAN IN IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SFC TWP	RNG LOT	HAM	LATITUDE	LONGITUDE	COUNTY CODE					
010 6610 U	PAICINES OHMALL RCH	444	46N	12	14S	05E	N	36.733 121.347 35					
MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.6R	2.1R	2.5R	2.7R	2.9R	3.2R	3.5R	3.9R	4.5R	5.0R	5.9R	8.4R	16.8R
5	2.3R	3.1R	3.6R	4.2R	4.7R	5.4R	6.0R	6.9R	8.2R	9.0R	10.9R	16.0R	24.6R
10	2.8R	3.7R	4.3R	5.0R	5.6R	6.4R	7.1R	8.3R	9.6R	10.7R	13.1R	19.2R	29.2R
25	3.7R	4.9R	5.6R	6.4R	7.1R	8.3R	9.6R	11.1R	12.9R	14.1R	17.4R	25.4R	39.1R
40	3.9R	5.1R	5.7R	6.5R	7.2R	8.4R	9.7R	11.2R	13.0R	14.2R	17.6R	25.7R	39.5R
50	3.7R	5.1R	5.7R	6.5R	7.2R	8.4R	9.7R	11.2R	13.0R	14.2R	17.6R	25.7R	39.5R
100	4.1R	5.5R	6.1R	6.9R	7.6R	8.8R	10.1R	11.6R	13.4R	14.6R	18.0R	26.1R	39.9R
200	4.3R	5.7R	6.3R	7.1R	7.8R	9.0R	10.3R	11.8R	13.6R	14.8R	18.2R	26.3R	39.9R
1000R	5.3R	7.0R	7.8R	8.8R	9.8R	11.2R	12.8R	14.6R	16.6R	17.8R	21.6R	30.1R	43.2R
10000R	6.4R	8.4R	9.4R	10.6R	11.8R	13.4R	15.0R	17.0R	19.2R	20.4R	24.4R	32.6R	45.7R
MEAN	1.28R	17.8R	20.5R	21.4R	23.1R	25.1R	26.4R	33.6R	36.6R	43.1R	61.3R	91.4R	
MEAN	1.400	2.380	2.753	2.904	3.207	3.467	3.783	4.178	4.788	5.250	6.259	8.874	15.286
CLOCK HP. COEF.	1.148	1.771	1.648	1.620	1.611	1.610	1.608	1.606	1.600	1.600	1.600	1.600	1.600
CALCULATED SKEW	2.091	2.714	2.675	2.651	2.733	2.698	2.701	2.698	2.701	2.698	2.701	2.698	2.701
REGIONAL SKEW	1.200	1.400	1.400	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.400	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
RECORD YEAR	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
RECORD MAXIMUM	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
NORMALIZED MAX	3.914	4.174	4.243	4.075	4.007	3.844	3.490	3.664	3.348	3.177	2.504	2.761	2.223
CALC. COEF. VAR	.597	.514	.502	.488	.474	.459	.422	.412	.389	.372	.344	.332	.332
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
MEAN/A	1.194	1.583	1.703	1.955	2.098	2.268	2.475	2.732	3.132	3.435	4.095	5.886	1.0000
HP10/A	1.143	1.642	1.738	1.983	2.127	2.303	2.510	2.815	3.245	3.548	4.218	6.009	1.0000
HP20/A	1.203	1.693	1.789	2.034	2.178	2.354	2.561	2.866	3.296	3.600	4.270	6.061	1.0000
HP50/A	1.243	1.733	1.829	2.074	2.218	2.394	2.601	2.906	3.336	3.640	4.310	6.111	1.0000
HP100/A	1.273	1.763	1.859	2.104	2.248	2.424	2.631	2.936	3.366	3.670	4.340	6.161	1.0000
HP200/A	1.303	1.793	1.889	2.134	2.278	2.454	2.661	2.966	3.396	3.700	4.370	6.191	1.0000
HP1000/A	1.333	1.823	1.919	2.164	2.308	2.484	2.691	2.996	3.426	3.730	4.400	6.221	1.0000
HP10000/A	1.363	1.853	1.949	2.194	2.338	2.514	2.721	3.026	3.456	3.760	4.430	6.251	1.0000
HP/A	1.303	1.793	1.889	2.134	2.278	2.454	2.661	2.966	3.396	3.700	4.370	6.191	1.0000

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SFC TWP	RNG LOT	HAM	LATITUDE	LONGITUDE	COUNTY CODE					
010 6699 I	PARADISE VALLEY	425	46N	10S	13E 0	F	37.083 121.662	43					
MAXIMUM PRECIPITATION FOR INDICATED DURATION N-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.0R	3.7R	4.1R	4.4R	5.0R	5.3R	5.8R	6.2R	6.9R	7.9R	9.2R	13.1R	26.8R
5	4.2R	5.3R	5.9R	6.4R	7.1R	7.6R	8.4R	9.7R	10.9R	12.7R	16.0R	24.6R	39.1R
10	4.8R	6.0R	6.7R	7.2R	8.0R	8.5R	9.4R	10.7R	12.1R	14.1R	17.4R	25.4R	39.1R
25	5.7R	7.0R	7.8R	8.6R	9.4R	10.2R	11.1R	12.6R	14.1R	16.1R	19.4R	27.4R	39.1R
40	6.4R	7.8R	8.6R	9.4R	10.2R	11.0R	12.4R	14.1R	16.1R	18.1R	21.4R	29.4R	39.1R
50	6.7R	8.1R	8.9R	9.7R	10.5R	11.3R	12.7R	14.4R	16.4R	18.4R	21.7R	29.7R	39.1R
100	7.0R	8.4R	9.2R	10.0R	10.8R	11.6R	13.0R	14.7R	16.7R	18.7R	22.0R	30.0R	39.1R
200	7.2R	8.6R	9.4R	10.2R	11.0R	11.8R	13.2R	14.9R	16.9R	18.9R	22.2R	30.2R	39.1R
1000	7.8R	9.2R	10.0R	10.8R	11.6R	12.4R	13.8R	15.5R	17.5R	19.5R	22.8R	30.8R	39.1R
10000	8.4R	9.8R	10.6R	11.4R	12.2R	13.0R	14.4R	16.1R	18.1R	20.1R	23.4R	31.4R	39.1R
PHP	22.9R	31.6R	35.9R	36.5R	39.2R	41.3R	44.0R	47.0R	51.7R	57.0R	65.8R	95.70	130.50

MEAN	3.254	4.114	4.551	4.893	5.471	5.848	6.292	6.872	7.364	8.298	9.891	13.849	21.808
CLOCK HP. COEF.	1.148	1.670	1.648	1.620	1.611	1.610	1.608	1.606	1.600	1.600	1.600	1.600	1.600
CALCULATED SKEW	1.224	1.774	1.694	1.733	1.752	1.734	1.682	1.563	1.467	1.405	1.283	1.067	1.064
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KURTOSIS	4.277	3.454	4.030	3.265	3.737	3.941	3.478	3.347	3.618	3.134	3.080	2.680	2.574
1	26	25	25	25	25	25	25	25	25	25	27	27	27
RECORD YEAR	1969	1969	1969	1967	1968	1964	1956	1909	1965	1969	1969	1969	1967
RECORD MAXIMUM	6.351	7.951	9.150	9.150	12.000	13.020	13.460	14.26	16.800	18.020	21.570	27.860	38.820
NORMALIZED MAX	2.091	2.681	2.245	2.140	2.001	2.006	2.006	2.006	2.006	2.006	2.006	2.006	2.006
CALC. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.394

MEAN/A	1.149	1.887	2.087	2.243	2.509	2.613	2.885	3.061	3.377	3.605	4.444	6.351	1.0000
HP10/A	1.202	2.071	2.288	2.451	2.722	2.826	3.098	3.274	3.591	3.819	4.658	6.565	1.0000
HP20/A	1.262	2.131	2.348	2.511	2.782	2.886	3.158	3.334	3.651	3.879	4.718	6.625	1.0000
HP50/A	1.322	2.191	2.408	2.571	2.842	2.946	3.218	3.394	3.711	3.939	4.778	6.685	1.0000
HP100/A	1.382	2.251	2.468	2.631	2.902	3.006	3.278	3.454	3.771	3.999	4.838	6.745	1.0000
HP200/A	1.442	2.311	2.528	2.691	2.962	3.066	3.338	3.514	3.831	4.059	4.898	6.805	1.0000
HP1000/A	1.502	2.371	2.588	2.751	3.022	3.126	3.398	3.574	3.891	4.119	4.958	6.865	1.0000
HP10000/A	1.562	2.431	2.648	2.811	3.082	3.186	3.458	3.634	3.951	4.179	5.018	6.925	1.0000
HP/A	1.502	2.371	2.588	2.751	3.022	3.126	3.398	3.574	3.891	4.119	4.958	6.865	1.0000

PEAK-RUN TYPE III DISTRIBUTION USED

PEAK-RUN MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

*MEAN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO.		STATION NAME		ELEV		SFC		TST		RAIN		LAT		LONG		COUNTRY	
HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR	HSN	ORDR
010	477C	U															
PRADHAPUR				47N	22	14N	54E	8	N	37.045		121.510		43			
RETURN PERIOD IN YEARS																	
10	20	30	40	50	60	70	80	90	100	150	200	300	600	3650			
7	2.17	2.42	3.08	3.45	3.71	3.96	4.31	4.79	5.60	6.35	7.47	10.76	17.92				
5	2.94	3.27	4.03	4.58	5.21	5.87	6.66	6.67	7.75	8.75	10.27	14.84	24.91				
10	3.36	3.72	4.58	5.27	6.05	6.77	7.74	7.89	9.06	10.19	11.43	17.33	27.05				
20	4.07	4.77	6.19	6.78	7.91	7.65	9.18	8.91	10.28	11.48	13.42	19.58	30.18				
40	4.23	5.47	7.01	7.57	7.43	7.44	9.49	9.46	10.64	11.87	13.01	20.27	31.13				
60	4.57	5.81	7.61	7.94	7.93	7.45	9.14	9.31	11.33	12.47	14.80	21.68	33.09				
90	5.16	7.07	7.67	7.73	8.35	8.35	9.12	9.12	11.42	12.63	15.63	23.49	35.99				
100	5.71	7.51	8.04	8.51	9.27	9.47	10.35	11.16	12.74	14.15	16.51	24.29	36.72				
200	6.00	8.28	8.86	9.30	10.93	10.80	11.23	12.07	13.70	15.21	17.74	26.17	39.34				
1000	8.76	9.78	11.00	11.08	11.98	12.74	13.00	14.11	15.90	17.49	20.36	29.16	41.16				
10000	12.33	12.33	13.06	13.06	14.27	14.76	15.95	16.99	20.45	23.05	35.97	52.96					
PMF	16.19	23.24	25.23	25.23	29.26	30.73	33.04	33.04	41.56	46.47	54.95	78.46	112.05				
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS																	
10	20	30	40	50	60	70	80	90	100	150	200	300	600	3650			
7	2.17	2.42	3.08	3.45	3.71	3.96	4.31	4.79	5.60	6.35	7.47	10.76	17.92				
5	2.94	3.27	4.03	4.58	5.21	5.87	6.66	6.67	7.75	8.75	10.27	14.84	24.91				
10	3.36	3.72	4.58	5.27	6.05	6.77	7.74	7.89	9.06	10.19	11.43	17.33	27.05				
20	4.07	4.77	6.19	6.78	7.91	7.65	9.18	8.91	10.28	11.48	13.42	19.58	30.18				
40	4.23	5.47	7.01	7.57	7.43	7.44	9.49	9.46	10.64	11.87	13.01	20.27	31.13				
60	4.57	5.81	7.61	7.94	7.93	7.45	9.14	9.31	11.33	12.47	14.80	21.68	33.09				
90	5.16	7.07	7.67	7.73	8.35	8.35	9.12	9.12	11.42	12.63	15.63	23.49	35.99				
100	5.71	7.51	8.04	8.51	9.27	9.47	10.35	11.16	12.74	14.15	16.51	24.2					

PRECIPITATION OF PTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELFV	SEC	TWP	RNG LOT	NHM	LATITUDE	LONGITUDE	COUNTY CODE						
ASN DWHR SUB 010 7719 U	SAN BENITO	1355	27	16S	N4E E	N	36-5-N	121-04E	35						
MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS															
RETURN PERIOD IN YEARS	1	2	3	4	5	6	7	8	9	10	15	20	30	60	3650
1	2.2	2.22	2.46	2.57	2.70	2.92	3.11	3.40	3.92	4.33	5.17	7.02	12.09		
5	2.45	2.48	2.54	2.67	2.81	3.13	3.37	3.74	5.44	5.9	6.88	11.30	18.26		
10	2.58	2.61	2.66	2.79	2.93	3.25	3.57	4.07	6.37	6.96	8.25	13.77	20.37		
25	2.84	2.88	2.94	3.07	3.21	3.59	4.00	4.63	7.21	7.84	9.28	17.20	26.37		
40	3.04	3.07	3.12	3.25	3.39	3.81	4.23	4.96	7.46	8.10	9.62	18.22	28.12		
60	3.24	3.27	3.32	3.45	3.59	4.06	4.53	5.36	7.99	8.64	10.24	19.24	29.36		
100	3.44	3.47	3.52	3.65	3.79	4.28	4.79	5.72	8.23	8.90	10.53	20.26	30.59		
200	3.64	3.67	3.72	3.85	3.99	4.49	5.01	6.04	8.47	9.16	10.83	21.28	31.61		
3650	4.04	4.07	4.12	4.25	4.39	4.91	5.44	6.57	9.66	10.38	12.27	24.07	36.56		
10000	4.24	4.27	4.32	4.45	4.59	5.11	5.64	6.87	10.21	10.93	12.97	25.59	38.09		
100000	4.44	4.47	4.52	4.65	4.79	5.31	5.84	7.17	11.21	11.93	14.09	27.12	39.62		
PMF	15.47	16.31	20.14	26.00	21.76	20.77	23.84	25.48	29.13	31.71	37.35	51.17	76.63		
HEAT	2.617	2.657	2.704	2.805	2.906	3.138	3.335	3.617	4.144	4.540	5.413	7.405	12.648		
CLOCK HR. CUR.	1.143	1.176	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
CALCULATED SKEW	1.743	1.190	.964	.891	.861	.770	.669	1.037	1.002	.872	1.141	.764	1.030		
REGIONAL SKEW	1.202	1.400	1.360	1.220	1.100	1.000	1.000	1.000	.900	.800	.700	.800	.800		
SKEW USED	1.202	1.400	1.360	1.220	1.100	1.000	1.000	1.000	.900	.800	.700	.800	.800		
FUMT050	6.534	3.720	3.327	3.034	3.145	2.909	3.230	3.447	3.933	3.599	4.062	3.908	3.791		
"	22	23	23	23	23	23	23	23	23	23	23	23	23		
RECORD YEAR	1969	1967	1954	1950	1944	1956	1956	1956	1956	1956	1969	1969	1958		
RECORD MAXIMUM	5.249	5.249	5.540	5.540	5.181	4.100	6.940	7.340	9.051	9.440	11.900	14.760	24.540		
NORMALIZED MAX	2.447	2.229	2.160	2.160	2.160	2.337	2.337	2.500	2.500	2.500	2.500	2.500	2.500		
CALC. COEF. VAR	.403	.431	.509	.423	.465	.440	.419	.441	.455	.442	.454	.411	.376		
REGN. COEF. VAR	.403	.431	.509	.423	.465	.440	.419	.441	.455	.442	.454	.411	.376		
USED COEF. VAR	.403	.431	.509	.423	.465	.440	.419	.441	.455	.442	.454	.411	.376		
MEANVA	1.173	1.194	1.218	1.217	1.234	1.241	1.267	1.286	1.276	1.350	1.400	1.585	1.000		
MP100VA	1.2674	1.370	1.359	1.375	1.384	1.388	1.408	1.440	1.503	1.529	1.652	1.897	1.4437		
MP25VA	1.370	1.370	1.406	1.411	1.419	1.440	1.470	1.500	1.607	1.620	1.758	1.0452	1.3334		
MP50VA	1.3575	1.403	1.459	1.481	1.495	1.512	1.538	1.573	1.6507	1.6737	1.828	1.1513	1.9144		
MP100VA	1.341	1.4475	1.5090	1.512	1.511	1.509	1.504	1.6207	1.7084	1.764	1.902	1.2523	1.8598		
MP1000VA	1.5107	1.6199	1.6594	1.6734	1.692	1.710	1.753	1.806	1.9463	1.963	1.1176	1.5045	2.4005		
MP10000VA	1.6295	1.7679	1.8262	1.8232	1.826	1.865	1.916	1.963	1.0522	1.1014	1.3150	1.6544	2.8264		
PMFVA	1.2935	1.4474	1.5927	1.6287	1.7202	1.8003	1.8652	2.0144	2.3033	2.5075	2.9599	4.0455	5.5800		

PEARSON TYPE III DISTRIBUTION USED
PROGRAMABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. H5N ORDER SUR	STATION NAME	ELEV	SFC TYP	WNG LOT	RAIN	LATITUDE	LONGITUDE	COUNTY
010 7843 1	SAN MARTIN	312				37.117	121.547	43

MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1	2	3	4	5	6	8	10	15	20	30	60	3650
C	2.48	2.87	3.12	3.41	3.64	3.84	4.29	4.69	5.39	5.93	7.02	9.91	16.36
1	3.14	3.64	4.47	4.87	5.17	5.42	6.03	6.53	7.44	8.19	10.47	13.67	21.54
10	4.34	4.98	5.99	6.42	6.75	6.99	7.73	8.08	9.26	9.53	11.21	15.97	24.70
25	4.76	5.43	6.26	6.72	7.07	7.34	8.16	8.57	9.91	10.74	12.61	18.04	27.46
50	5.19	5.94	6.93	7.40	7.75	7.99	8.84	9.24	10.26	11.10	13.04	19.67	29.53
100	5.45	6.26	7.29	7.77	8.12	8.36	9.24	9.67	10.49	11.45	13.41	19.97	30.22
1000	6.53	7.71	9.09	9.67	10.01	10.24	11.21	11.67	12.20	12.80	14.81	20.57	31.05
10000	7.40	8.81	1.073	1.147	1.188	1.218	1.316	1.368	1.442	1.500	1.721	23.95	41.22
100000	8.63	10.29	1.221	1.314	1.365	1.404	1.503	1.556	1.630	1.701	2.000	31.13	48.36
PMF	10.44	12.41	15.53	17.24	18.47	19.47	21.92	23.13	25.05	26.72	30.72	42.27	107.32

MEAN	2.666	3.102	3.426	3.716	3.936	4.117	4.404	4.696	5.497	6.222	7.356	10.459	17.111
CLOCK HR. COM.	1.140	1.270	1.340	1.426	1.470	1.500	1.600	1.650	1.800	1.850	2.000	2.300	3.000
CALCULATED MAX	1.272	1.370	1.466	1.536	1.577	1.608	1.708	1.759	1.909	1.960	2.100	2.400	3.100
REGIONAL MAX	1.260	1.400	1.503	1.573	1.614	1.644	1.744	1.795	1.945	1.996	2.136	2.436	3.136
SKEW USED	1.250	1.400	1.500	1.570	1.610	1.640	1.740	1.791	1.941	1.992	2.132	2.432	3.132

PORTUGAL

1	4.127	4.612	4.921	5.170	5.354	5.576	6.122	6.523	7.353	7.852	9.348	13.34	21.34
10	4.7	5.27	5.57	5.87	6.17	6.47	7.07	7.47	8.27	8.77	10.27	14.27	22.27
100	5.45	6.26	7.29	7.77	8.12	8.36	9.24	9.67	10.49	11.45	13.41	19.97	30.22
1000	6.53	7.71	9.09	9.67	10.01	10.24	11.21	11.67	12.20	12.80	14.81	20.57	31.05
10000	7.40	8.81	1.073	1.147	1.188	1.218	1.316	1.368	1.442	1.500	1.721	23.95	41.22
100000	8.63	10.29	1.221	1.314	1.365	1.404	1.503	1.556	1.630	1.701	2.000	31.13	48.36

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. R5N ORDER SUB	STATION NAME	ELEV	SFC TYP	WNG LOT	RAIN	LATITUDE	LONGITUDE	COUNTY CODE
020 1751 0	CHUALAR-JACKS-MATCH	138	23	145	64E	16	76.583	121.515 27

MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)

RETURN PERIOD IN YEARS	1	2	3	4	5	6	8	10	15	20	30	60	3650
2	1.44	1.62	1.74	1.82	1.89	1.96	2.11	2.20	2.35	2.47	2.64	2.84	3.03
5	2.12	2.40	2.54	2.63	2.70	2.77	2.92	3.01	3.16	3.28	3.46	3.66	3.85
10	2.40	2.70	2.84	2.93	3.00	3.07	3.22	3.31	3.46	3.58	3.76	3.96	4.15
25	2.67	3.04	3.18	3.27	3.34	3.41	3.56	3.65	3.80	3.92	4.10	4.30	4.49
50	2.91	3.30	3.44	3.53	3.60	3.67	3.82	3.91	4.06	4.18	4.36	4.56	4.75
100	3.14	3.54	3.68	3.77	3.84	3.91	4.06	4.15	4.30	4.42	4.60	4.80	4.99
200	3.48	3.88	4.02	4.11	4.18	4.25	4.40	4.49	4.64	4.76	4.94	5.14	5.33
1000	4.54	5.14	5.28	5.37	5.44	5.51	5.66	5.75	5.90	6.02	6.20	6.40	6.59
10000	5.49	6.29	6.43	6.52	6.59	6.66	6.81	6.90	7.05	7.17	7.35	7.55	7.74
PMF	10.49	12.00	12.40	12.70	12.90	13.10	13.50	13.80	14.20	14.50	15.00	15.50	16.00

MEAN	1.958	2.14	2.293	2.420	2.504	2.579	2.707	2.751	2.876	2.963	3.109	3.279	3.459
CLOCK HR. COM.	1.140	1.270	1.340	1.426	1.470	1.500	1.600	1.650	1.800	1.850	2.000	2.300	3.000
CALCULATED MAX	1.369	1.457	1.524	1.571	1.601	1.631	1.731	1.782	1.932	1.983	2.133	2.433	3.133
REGIONAL MAX	1.250	1.400	1.500	1.570	1.610	1.640	1.740	1.791	1.941	1.992	2.132	2.432	3.132
SKEW USED	1.210	1.400	1.500	1.570	1.610	1.640	1.740	1.791	1.941	1.992	2.132	2.432	3.132

KUHTOSI

1	2.12	2.40	2.54	2.63	2.70	2.77	2.92	3.01	3.16	3.28	3.46	3.66	3.85
10	2.40	2.70	2.84	2.93	3.00	3.07	3.22	3.31	3.46	3.58	3.76	3.96	4.15
25	2.67	3.04	3.18	3.27	3.34	3.41	3.56	3.65	3.80	3.92	4.10	4.30	4.49
50	2.91	3.30	3.44	3.53	3.60	3.67	3.82	3.91	4.06	4.18	4.36	4.56	4.75
100	3.14	3.54	3.68	3.77	3.84	3.91	4.06	4.15	4.30	4.42	4.60	4.80	4.99
200	3.48	3.88	4.02	4.11	4.18	4.25	4.40	4.49	4.64	4.76	4.94	5.14	5.33
1000	4.54	5.14	5.28	5.37	5.44	5.51	5.66	5.75	5.90	6.02	6.20	6.40	6.59
10000	5.49	6.29	6.43	6.52	6.59	6.66	6.81	6.90	7.05	7.17	7.35	7.55	7.74
PMF	10.49	12.00	12.40	12.70	12.90	13.10	13.50	13.80	14.20	14.50	15.00	15.50	16.00

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT REPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	LEV	SFC	TYP	WIND	LOT	RM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUO	DIAF RANCH	24K	04	14K	14F	4	14K	121.443	40	
020 2352 S	DIAF RANCH	24K	04	14K	14F	4	14K	121.443	40	
MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	100	150	200
2	1.47	1.92	2.21	2.43	2.64	2.86	3.12	3.55	4.27	4.88
5	2.21	2.74	3.14	3.41	3.74	4.06	4.38	4.95	5.92	6.70
10	2.63	3.36	3.84	4.11	4.45	4.78	5.12	5.81	6.93	7.80
20	3.09	4.01	4.59	4.91	5.27	5.62	5.97	6.80	7.84	8.79
30	3.14	4.04	4.63	4.95	5.31	5.65	6.00	6.84	7.89	8.84
40	3.19	4.09	4.68	5.00	5.36	5.70	6.05	6.89	7.94	8.89
50	3.23	4.13	4.72	5.04	5.40	5.74	6.09	6.93	7.98	8.93
100	3.47	4.41	5.00	5.32	5.68	6.02	6.37	7.21	8.26	9.21
200	3.74	4.68	5.27	5.59	5.95	6.29	6.64	7.48	8.53	9.48
1000	4.61	5.61	6.20	6.52	6.88	7.22	7.57	8.41	9.46	10.41
10000	6.11	7.42	8.01	8.33	8.69	9.03	9.38	10.22	11.27	12.22
RMF	12.11	14.87	16.10	17.13	18.02	18.78	19.42	20.61	21.73	22.78
MEAN	1.75	2.131	2.429	2.625	2.822	3.017	3.214	3.776	4.509	5.092
CLOCK HR. COR.	1.146	1.779	1.984	2.125	2.271	2.416	2.561	2.927	3.400	3.800
CLOCK HR. COR.	1.291	1.585	1.740	1.874	1.998	2.112	2.226	2.500	2.900	3.250
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700
KURTOSIS	4.127	6.092	5.357	4.610	4.141	3.694	3.266	3.445	2.477	3.745
RECORD YEAR	4	37	37	37	37	37	37	37	37	37
RECORD MAXIMUM	1964	1950	1956	1956	1956	1956	1956	1952	1952	1941
NORMALIZED MAX	3.091	4.000	4.59	4.91	5.27	5.62	5.97	6.80	7.84	8.79
REGIONAL SKEW	2.237	3.232	3.145	3.049	2.952	2.855	2.758	2.474	2.141	2.379
CALC. COEF. VAR	3.30	3.44	3.35	3.25	3.15	3.05	2.95	2.50	2.14	2.31
REGIONAL COEF. VAR	3.03	3.30	3.20	3.10	3.00	2.90	2.80	2.30	1.94	2.10
USED COEF. VAR	3.03	3.30	3.20	3.10	3.00	2.90	2.80	2.30	1.94	2.10
MEAN	1.125	1.435	1.602	1.718	1.841	1.964	2.087	2.293	2.974	3.359
RM10/4	1.146	1.214	1.285	1.356	1.427	1.498	1.569	1.640	1.711	1.782
RM25/4	1.201	1.272	1.343	1.414	1.485	1.556	1.627	1.698	1.769	1.840
RM50/4	1.315	1.401	1.487	1.572	1.658	1.743	1.828	1.913	2.000	2.085
RM100/4	1.552	1.683	1.814	1.945	2.076	2.207	2.338	2.469	2.600	2.731
RM1500/4	3.167	3.485	3.803	4.121	4.439	4.757	5.075	5.393	5.711	6.029
RM10000/4	4.631	5.555	6.177	6.799	7.421	8.043	8.665	9.287	9.909	10.531
RMF/4	7.792	11.471	13.938	16.405	18.872	21.339	23.806	26.273	28.740	31.207

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	LEV	SFC	TYP	WIND	LOT	RM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUO	DIAF RANCH	24K	04	14K	14F	4	14K	121.443	40	
020 2517 S	DIAF RANCH	24K	04	14K	14F	4	14K	121.443	40	
MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	100	150	200
2	1.32	1.59	1.71	1.82	1.91	2.04	2.21	2.50	2.81	3.13
5	1.46	2.10	2.46	2.59	2.71	2.88	3.13	3.44	3.89	4.32
10	2.21	2.61	2.96	3.10	3.23	3.41	3.71	4.09	4.55	5.03
20	2.54	3.04	3.43	3.59	3.71	3.90	4.21	4.54	5.15	5.67
30	2.64	3.17	3.58	3.73	3.85	4.05	4.39	4.81	5.34	5.86
40	2.65	3.45	3.88	4.04	4.20	4.37	4.73	5.16	5.71	6.26
50	2.65	3.59	4.03	4.19	4.36	4.51	4.88	5.33	5.88	6.44
100	3.26	3.99	4.47	4.62	4.74	4.95	5.36	5.82	6.41	6.99
200	3.45	4.34	4.90	5.05	5.16	5.37	5.81	6.29	6.91	7.51
1000	4.22	5.22	5.87	6.01	6.12	6.33	6.83	7.35	8.02	8.66
10000	5.14	6.55	7.23	7.35	7.43	7.63	8.23	8.78	9.52	10.20
RMF	10.11	12.35	13.98	14.54	15.07	15.48	17.10	18.59	20.83	22.95
MEAN	1.435	1.657	1.876	1.989	2.104	2.180	2.392	2.654	2.963	3.285
CLOCK HR. COR.	1.146	1.74	1.940	2.020	2.101	2.181	2.300	2.600	2.900	3.200
CLOCK HR. COR.	1.291	2.393	1.767	1.843	1.905	1.966	1.358	1.344	1.343	1.342
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	.900	.800	.700
KURTOSIS	6.213	11.674	8.410	6.843	7.312	6.845	4.545	5.980	4.814	5.014
RECORD YEAR	4	25	25	25	25	25	25	25	25	25
RECORD MAXIMUM	1964	1950	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	2.430	3.379	3.268	3.183	3.267	3.193	2.625	3.144	3.001	2.536
CALC. COEF. VAR	3.36	4.11	4.21	3.93	3.87	3.64	3.74	4.13	3.83	3.51
REGIONAL COEF. VAR	3.03	4.30	4.30	4.23	4.20	4.17	4.10	4.03	3.99	3.94
USED COEF. VAR	3.03	4.30	4.30	4.23	4.21	4.17	4.10	4.03	3.99	3.94
MEAN	1.1452	1.677	1.898	2.003	2.084	2.215	2.240	2.265	2.298	2.334
RM10/4	1.234	2.241	2.291	2.339	2.385	2.435	2.484	2.534	2.584	2.634
RM25/4	1.276	2.311	2.361	2.409	2.456	2.506	2.556	2.606	2.656	2.706
RM50/4	1.369	2.368	2.415	2.463	2.510	2.558	2.606	2.654	2.702	2.750
RM100/4	1.370	2.409	2.456	2.504	2.552	2.600	2.648	2.696	2.744	2.792
RM1500/4	4.276	5.551	5.743	5.884	5.984	6.084	6.184	6.284	6.384	6.484
RM10000/4	5.204	6.628	7.318	7.438	7.513	7.718	8.330	8.884	9.438	9.992
RMF/4	11.022	12.442	13.143	13.715	14.246	14.701	15.202	15.703	16.204	16.705

PEWSON TYPE III DISTRIBUTION USED
 PROBABLY MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 *IFPE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RRM	LATITUDE	LONGITUDE	COUNTY CODE			
020 3502 1	GOUGALES SPR	121	16N	05E	N	36-5-8	121-4-7	27					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.24	1.55	1.71	1.84	2.00	2.12	2.58	2.90	3.52	3.84	4.53	6.62	10.79
5	1.74	2.25	2.45	2.70	2.93	3.27	4.63	4.05	4.83	5.30	6.21	9.13	14.20
10	2.07	2.71	2.95	3.23	3.44	3.87	4.29	4.76	5.71	6.17	7.23	10.66	16.28
20	2.34	3.15	3.43	3.72	4.01	4.43	4.93	5.40	6.44	6.95	8.13	12.05	18.17
25	2.47	3.24	3.57	3.86	4.17	4.60	5.09	5.61	6.64	7.19	8.41	12.47	18.74
40	2.67	3.54	3.88	4.20	4.24	4.95	5.44	6.01	7.14	7.67	8.97	13.34	19.92
50	2.77	3.72	4.02	4.34	4.65	5.12	5.66	6.20	7.34	7.89	9.23	13.74	20.47
100	3.15	4.14	4.40	4.70	5.02	5.47	6.02	6.77	8.02	8.59	10.00	14.94	22.11
200	4.33	4.55	4.94	5.20	5.44	6.10	6.73	8.06	9.20	10.15	12.30	17.60	23.68
1000	7.45	8.48	9.07	9.73	10.41	11.14	12.91	18.55	10.61	12.38	18.07	27.17	
10000	4.42	6.74	7.23	7.76	8.03	8.64	9.53	10.22	11.93	12.50	14.57	22.13	31.88
PMF	6.67	12.61	13.37	15.12	16.20	18.13	19.80	21.76	26.13	28.13	32.94	44.27	67.45
MEAN	1.444	1.719	1.875	2.020	2.243	2.445	2.769	3.089	3.715	4.027	4.741	6.945	11.290
CLOCK HR. CUR.	1.144	1.417	1.541	1.663	1.810	1.930	2.100	2.400	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.144	1.442	1.613	1.744	1.844	1.973	2.101	2.081	1.987	1.909	1.739	1.003	1.001
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.054	3.428	3.043	2.959	3.441	3.652	3.702	3.745	3.097	3.085	2.906	1.335	3.959
N	31	30	30	29	31	30	31	31	30	30	30	30	29
RECORD YEAR	1911	1911	1911	1917	1947	1947	1911	1911	1947	1949	1907	1907	1907
RECORD MAXIMUM	2.620	2.460	3.590	4.150	4.750	5.000	5.000	5.140	6.980	7.450	9.140	13.450	22.290
NORMALIZED MAX	2.561	2.287	2.547	2.700	2.740	2.547	2.435	2.244	2.301	2.424	2.346	2.346	2.803
CALC. COEF. VAR	1.462	1.316	1.352	1.304	1.377	1.401	1.409	1.391	1.369	1.363	1.410	1.349	
REG. COEF. VAR	1.433	1.430	1.430	1.423	1.421	1.417	1.410	1.401	1.402	1.399	1.393	1.394	1.332
USED COEF. VAR	1.433	1.430	1.430	1.423	1.421	1.417	1.410	1.401	1.402	1.399	1.393	1.394	1.332
MEAN/A	1.1141	1.1523	1.1662	1.1825	1.1970	1.2043	1.2455	1.2734	1.3293	1.3570	1.4203	1.6193	1.0000
RP10/A	1.1935	1.3394	1.4619	1.5859	1.6791	1.7444	1.7064	1.6215	1.5062	1.5469	1.6045	1.9454	1.4437
RP25/A	1.2194	1.3917	1.5149	1.6336	1.7044	1.8000	1.8111	1.7406	1.5932	1.6371	1.7452	1.1056	1.6617
RP50/A	1.2453	1.4295	1.5568	1.6852	1.7454	1.8534	1.9114	1.8496	1.6541	1.6990	1.8174	1.2178	1.8144
RP75/A	1.2763	1.4864	1.5957	1.6950	1.7490	1.8490	1.8902	1.7121	1.7652	1.8000	1.9247	1.3247	1.9588
RP100/A	1.3073	1.4800	1.5204	1.5541	1.5840	1.6346	1.7014	1.7581	1.8912	1.9410	1.9977	1.6549	2.4091
RP1000/A	1.4271	1.6120	1.6408	1.6774	1.7115	1.7675	1.8451	1.9061	1.0576	1.1042	1.2416	1.9616	2.8264
PMF/A	1.4943	1.1347	1.2383	1.4433	1.4437	1.5944	1.7554	1.9293	2.3152	2.4045	2.8963	4.2753	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RRM	LATITUDE	LONGITUDE	COUNTY CODE			
020 4555 0	KING CITY	320	04N	20E	ARE	N	36-2-0	121-1-3	27				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.50	1.84	2.02	2.10	2.37	2.50	2.73	2.96	3.40	3.75	4.35	6.06	9.94
5	2.11	2.84	2.91	3.14	3.37	3.58	3.80	4.04	4.71	5.17	5.97	8.36	13.08
10	2.45	3.19	3.51	3.76	4.01	4.14	4.53	4.87	5.52	6.02	6.94	9.76	15.00
20	2.84	3.72	4.07	4.34	4.61	4.74	5.18	5.53	6.24	6.78	7.81	11.02	16.74
25	3.05	3.84	4.24	4.52	4.74	4.96	5.34	5.74	6.46	7.01	8.07	11.41	17.27
40	3.24	4.29	4.61	4.89	5.04	5.34	5.74	6.14	6.92	7.48	8.61	12.20	18.35
50	3.45	4.36	4.68	4.97	5.25	5.49	5.82	6.15	7.02	7.57	8.66	12.57	18.86
100	3.76	4.68	5.30	5.60	5.84	6.06	6.55	6.93	7.76	8.35	9.61	13.67	20.37
200	4.43	5.36	5.81	6.12	6.42	6.58	7.11	7.51	8.36	8.98	10.32	14.73	21.82
1000	4.74	6.47	6.97	7.29	7.60	7.74	8.34	8.74	9.71	10.35	11.64	17.08	26.04
10000	5.44	8.01	8.58	8.71	9.24	9.43	10.07	10.47	11.52	12.19	13.44	20.24	29.37
PMF	11.48	15.10	16.58	17.63	18.73	19.44	20.92	22.29	25.22	27.43	31.40	44.16	62.14
MEAN	1.629	2.026	2.226	2.403	2.566	2.679	2.925	3.164	3.588	3.927	4.554	6.391	10.392
CLOCK HR. CUR.	1.144	1.379	1.404	1.420	1.410	1.410	1.410	1.406	1.403	1.400	1.400	1.400	1.400
CALCULATED SKEW	1.242	1.483	1.544	1.538	1.521	1.486	1.316	1.301	1.149	1.094	1.017	1.015	1.142
REGIONAL SKEW	1.200	1.400	1.300	1.250	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.250	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.732	8.143	5.798	4.724	4.154	4.234	4.495	5.006	4.458	3.558	2.935	4.082	4.324
RECORD YEAR	77	77	77	77	77	76	77	77	77	77	77	77	77
RECORD MAXIMUM	1914	1063	1063	1063	1063	1911	1911	1911	1911	1911	1911	1911	1911
NORMALIZED MAX	3.720	5.446	4.150	4.200	4.200	4.470	4.510	4.170	10.027	10.020	10.500	17.000	25.220
CALC. COEF. VAR	1.27	1.457	1.497	1.494	1.494	1.492	1.504	1.490	1.502	1.475	1.465	1.482	1.330
REG. COEF. VAR	1.433	1.433	1.430	1.423	1.420	1.417	1.410	1.403	1.402	1.399	1.393	1.394	1.332
USED COEF. VAR	1.433	1.430	1.430	1.423	1.420	1.417	1.410	1.403	1.402	1.399	1.393	1.394	1.332
MEAN/A	1.1544	1.1950	1.2142	1.2310	1.2467	1.2574	1.2615	1.3045	1.3452	1.3779	1.4382	1.6150	1.0010
RP10/A	1.2414	1.3071	1.3374	1.3620	1.3861	1.4019	1.4362	1.4687	1.5307	1.5749	1.6677	1.9398	1.4437
RP25/A	1.2646	1.3734	1.4083	1.4390	1.4612	1.4733	1.5123	1.5521	1.6144	1.6544	1.7499	1.0940	1.6617
RP50/A	1.2927	1.4218	1.4597	1.4870	1.5104	1.5311	1.5740	1.6111	1.6857	1.7408	1.8527	1.2084	1.8144
RP75/A	1.3457	1.4693	1.5049	1.5307	1.5571	1.5827	1.6304	1.6673	1.7465	1.8037	1.9244	1.3156	1.9598
RP100/A	1.4060	1.6222	1.6705	1.7014	1.7317	1.7449	1.8045	1.8428	1.9343	1.9762	1.1443	1.6435	2.4091
RP1000/A	1.7707	2.0544	2.0645	2.0645	2.0645	2.0645	2.0645	2.0645	1.1087	1.1531	1.3462	1.9462	3.2600
PMF/A	1.1143	1.4527	1.5435	1.6060	1.6027	1.6713	2.1128	2.1449	2.4270	2.6397	3.0214	4.2498	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 5 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT NECESSARILY

[illegible][illegible]

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. 451 ORDER SUB 026 7669 U	STATION NAME SALT LAKE	ELEV 421	LOC M	TWP 14S	RNG INT 36	NAME "	LATITUDE 40-40-7	LONGITUDE 121-00-0	COUNTY CODE 27	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	90	100
2	1.45	1.43	1.40	1.37	1.34	1.31	1.28	1.25	1.22	1.19
5	2.4	2.34	2.28	2.21	2.14	2.07	2.00	1.93	1.86	1.79
10	3.43	3.34	3.25	3.16	3.07	2.98	2.89	2.80	2.71	2.62
20	4.43	4.31	4.19	4.07	3.94	3.81	3.68	3.55	3.42	3.29
25	4.64	4.50	4.37	4.24	4.10	3.96	3.82	3.68	3.54	3.40
30	4.84	4.69	4.55	4.41	4.26	4.11	3.96	3.81	3.66	3.51
40	5.14	4.97	4.82	4.66	4.50	4.34	4.18	4.01	3.85	3.68
50	5.44	5.25	5.08	4.91	4.74	4.56	4.38	4.20	4.02	3.84
60	5.64	5.44	5.26	5.08	4.90	4.71	4.52	4.33	4.14	3.95
70	5.84	5.63	5.44	5.25	5.06	4.86	4.66	4.46	4.26	4.06
80	6.04	5.82	5.62	5.42	5.21	5.00	4.79	4.58	4.37	4.16
90	6.24	6.01	5.80	5.59	5.37	5.15	4.93	4.71	4.49	4.27
100	6.44	6.20	5.98	5.76	5.53	5.30	5.07	4.84	4.61	4.38
10000	11.11	10.91	10.70	10.49	10.28	10.07	9.86	9.65	9.44	9.23
MP	11.11	10.91	10.70	10.49	10.28	10.07	9.86	9.65	9.44	9.23
MEAN	1.478	1.427	1.374	1.319	1.263	1.207	1.151	1.095	1.039	0.983
CLOCK HR. COR.	1.151	1.147	1.143	1.139	1.135	1.131	1.127	1.123	1.119	1.115
CALCULATED SKEW	1.179	1.164	1.149	1.134	1.119	1.104	1.089	1.074	1.059	1.044
REGIONAL SKEW	1.200	1.180	1.160	1.140	1.120	1.100	1.080	1.060	1.040	1.020
SKEW USED	1.200	1.180	1.160	1.140	1.120	1.100	1.080	1.060	1.040	1.020
KLUTU313	4.419	4.433	4.406	4.379	4.352	4.325	4.298	4.271	4.244	4.217
RECORD YEAR	77	77	77	77	77	77	77	77	77	77
RECORD MAXIMUM	1914	1914	1907	1907	1907	1907	1907	1907	1907	1907
NORMALIZED SKEW	3.127	3.121	3.115	3.109	3.103	3.097	3.091	3.085	3.079	3.073
CALC. COEF. VAR	2.404	2.385	2.366	2.347	2.328	2.309	2.290	2.271	2.252	2.233
REGION. COEF. VAR	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
USED COEF. VAR	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
MEAN/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/10/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/20/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/50/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/100/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/1000/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. HSH ORDER SUB 020 7716 U	STATION NAME SAN ARDO	ELEV 441	SEC 04	TWP 22S	RNG INT 18E	NAME "	LATITUDE 36-04-3	LONGITUDE 120-00-0	COUNTY CODE 27	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	90	100
2	1.57	1.55	1.53	1.51	1.49	1.47	1.45	1.43	1.41	1.39
5	2.51	2.45	2.39	2.33	2.27	2.21	2.15	2.09	2.03	1.97
10	3.43	3.34	3.25	3.16	3.07	2.98	2.89	2.80	2.71	2.62
20	4.43	4.31	4.19	4.07	3.94	3.81	3.68	3.55	3.42	3.29
25	4.64	4.50	4.37	4.24	4.10	3.96	3.82	3.68	3.54	3.40
30	4.84	4.69	4.55	4.41	4.26	4.11	3.96	3.81	3.66	3.51
40	5.14	4.97	4.82	4.66	4.50	4.34	4.18	4.01	3.85	3.68
50	5.44	5.25	5.08	4.91	4.74	4.56	4.38	4.20	4.02	3.84
60	5.64	5.44	5.26	5.08	4.90	4.71	4.52	4.33	4.14	3.95
70	5.84	5.63	5.44	5.25	5.06	4.86	4.66	4.46	4.26	4.06
80	6.04	5.82	5.62	5.42	5.21	5.00	4.79	4.58	4.37	4.16
90	6.24	6.01	5.80	5.59	5.37	5.15	4.93	4.71	4.49	4.27
100	6.44	6.20	5.98	5.76	5.53	5.30	5.07	4.84	4.61	4.38
10000	11.11	10.91	10.70	10.49	10.28	10.07	9.86	9.65	9.44	9.23
MP	11.11	10.91	10.70	10.49	10.28	10.07	9.86	9.65	9.44	9.23
MEAN	1.478	1.427	1.374	1.319	1.263	1.207	1.151	1.095	1.039	0.983
CLOCK HR. COR.	1.151	1.147	1.143	1.139	1.135	1.131	1.127	1.123	1.119	1.115
CALCULATED SKEW	1.179	1.164	1.149	1.134	1.119	1.104	1.089	1.074	1.059	1.044
REGIONAL SKEW	1.200	1.180	1.160	1.140	1.120	1.100	1.080	1.060	1.040	1.020
SKEW USED	1.200	1.180	1.160	1.140	1.120	1.100	1.080	1.060	1.040	1.020
KLUTU313	3.041	3.045	3.046	3.047	3.048	3.049	3.050	3.051	3.052	3.053
RECORD YEAR	1914	1914	1907	1907	1907	1907	1907	1907	1907	1907
RECORD MAXIMUM	2.710	2.704	2.698	2.692	2.686	2.680	2.674	2.668	2.662	2.656
NORMALIZED SKEW	2.404	2.385	2.366	2.347	2.328	2.309	2.290	2.271	2.252	2.233
CALC. COEF. VAR	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
REGION. COEF. VAR	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
USED COEF. VAR	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
MEAN/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/10/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/20/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/50/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/100/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/1000/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145
MP/4	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. NSN ORDER SUB	STATION NAME	ELEV	SEC	THP	ONG LOT	HHM	LATITUDE	LONGITUDE	COUNTY				
030 212 0	LOCKWOOD 26	303	1104	36	225	08E	N	48.917	121.043	27			
MAXIMUM PRECIPITATION FOR INDICATED DURATION-DAYS HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.672	5.449	6.251	7.128	7.775	8.418	9.177	10.24	11.44	13.13	15.44	21.44	34.55
5	5.466	7.02	8.37	10.20	11.00	11.54	12.88	14.27	15.88	18.10	21.14	29.56	50.76
10	6.73	9.57	11.27	13.27	14.11	13.69	15.23	16.77	18.58	21.09	24.63	34.52	58.21
25	7.73	11.14	13.08	15.18	16.04	15.66	17.30	18.05	21.01	23.75	27.71	39.00	64.94
50	8.14	11.84	13.67	15.75	16.53	16.26	18.08	18.76	21.75	24.57	28.85	40.33	67.00
100	8.49	12.46	14.41	16.46	17.24	17.01	18.83	19.43	22.42	25.23	30.57	42.17	71.21
200	8.94	13.15	15.16	17.23	17.97	17.69	19.50	20.07	23.04	25.84	31.45	44.46	73.16
500	9.41	14.02	15.73	18.26	18.74	18.28	20.08	20.67	23.61	26.37	32.10	46.37	79.02
1000	9.81	14.61	16.48	19.08	19.38	18.88	20.68	21.28	24.21	26.93	32.83	47.12	84.66
10000	12.484	17.39	22.40	23.78	24.62	25.38	28.08	30.14	35.74	38.24	44.21	60.42	97.14
100000	15.65	22.02	27.58	29.47	30.11	30.60	33.62	36.04	42.73	45.73	49.88	71.82	113.96
PMF	30.77	45.27	53.30	57.52	61.10	64.72	71.26	76.73	86.91	96.15	111.44	156.24	241.12

MEAN	4.367	6.177	7.155	7.831	8.378	8.783	9.826	11.041	12.077	13.745	16.162	22.811	40.321
CLOCK HR. COR.	1.141	1.271	1.080	1.070	1.113	1.116	1.008	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.136	1.270	1.019	1.010	1.040	1.040	0.974	0.974	0.977	0.987	0.987	0.987	0.987
REGIONAL SKEW	1.200	1.400	1.200	1.200	1.100	1.100	1.000	1.000	0.900	0.900	0.700	0.800	0.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	0.900	0.800	0.700	0.700	0.600	0.600	0.600
KURTOSIS	2.597	3.194	4.121	5.756	6.883	7.573	8.485	9.783	13.380	20.965	29.930	28.889	28.081
RECORD YEAR	31	31	31	31	31	31	31	31	31	31	31	31	31
RECORD MAXIMUM	1963	1958	1956	1956	1966	1966	1956	1956	1956	1956	1956	1956	1958
NORMALIZED MAX	1.444	2.154	2.559	3.124	3.431	3.596	4.368	4.941	6.511	22.220	25.871	29.331	1.864
CALC. COEF. VAR	0.61	0.62	0.47	0.49	0.49	0.50	0.67	0.49	0.49	0.41	0.39	0.39	0.39
REGION. COEF. VAR	0.63	0.43	0.40	0.42	0.42	0.47	0.40	0.40	0.42	0.39	0.33	0.34	0.32
USED COEF. VAR	0.63	0.43	0.40	0.42	0.42	0.47	0.40	0.40	0.42	0.39	0.33	0.34	0.32

MEAN/A	1.083	1.567	1.774	1.842	1.875	2.178	2.437	2.701	2.895	3.314	4.008	5.808	1.0000
HP10/A	1.068	1.473	1.780	1.841	1.874	2.178	2.437	2.701	2.895	3.314	4.008	5.808	1.0000
HP25/A	1.094	1.606	1.833	1.867	1.880	2.034	2.478	2.691	2.835	3.092	3.710	1.0011	1.6617
HP50/A	1.220	1.800	1.809	1.833	1.867	2.477	2.42	2.647	2.692	2.780	1.1028	1.8144	1.8144
RP100/A	2.458	3.627	4.624	4.829	4.871	4.924	4.457	4.920	4.678	4.726	4.836	1.1495	1.9598
RP1000/A	3.185	4.408	4.908	4.908	4.908	4.908	4.908	4.908	4.908	4.908	4.908	1.4986	2.4091
RP10000/A	3.882	5.457	6.880	7.210	7.25	7.589	6.389	6.837	6.613	6.597	1.2310	1.7763	2.8264
PMF/A	7.630	11.227	14.219	14.265	14.268	15.843	17.424	19.929	21.055	23.845	27.638	34.750	54.980

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. NSN ORDER SUM	STATION NAME	ELEV	SEC	THP	ONG LOT	HHM	LATITUDE	LONGITUDE	COUNTY CODE				
040 740 0	HIO SUB STATE PARK	235	30	195	08E	M	34.250	121.783	27				
MAXIMUM PRECIPITATION FOR INDICATED DURATION-DAYS HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.772	5.498	6.245	7.249	7.498	8.73	9.76	10.55	12.33	14.06	16.89	23.25	40.14
5	6.44	8.63	9.47	10.70	11.34	12.42	14.72	14.70	17.11	19.39	23.06	32.06	52.85
10	7.40	11.42	11.28	12.40	13.15	14.40	16.22	17.27	20.02	22.59	26.36	37.43	60.60
25	9.47	12.14	11.77	14.77	15.51	16.69	18.52	19.62	22.05	25.44	31.33	42.29	67.61
50	10.20	13.79	15.00	16.05	16.43	18.47	20.69	21.81	25.11	28.09	33.48	46.82	74.14
100	11.56	14.32	16.18	17.24	18.01	19.49	21.37	22.51	26.47	28.90	34.42	48.22	76.16
200	11.66	15.93	17.94	19.05	19.83	21.84	24.44	26.57	28.10	31.36	37.32	52.45	89.27
500	12.69	17.51	19.47	20.81	21.67	23.68	26.46	28.67	30.37	33.70	40.10	56.52	88.14
1000	15.48	21.12	23.40	24.80	25.59	27.05	29.41	31.48	35.24	38.47	46.20	65.53	101.13
10000	18.38	26.16	29.05	31.32	31.67	32.49	36.03	37.14	41.82	45.77	54.36	77.47	118.65
PMF	30.13	40.31	50.15	59.49	63.84	67.49	74.88	74.88	91.55	102.49	121.98	168.44	251.03

MEAN	5.128	6.619	7.536	8.167	8.635	9.362	10.466	11.219	13.023	14.744	17.690	24.521	41.878
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.312	1.740	2.013	1.544	1.452	1.048	0.71	0.734	0.62	0.602	0.699	0.390	0.273
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	0.900	0.800	0.700	0.700	0.400	0.800
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	0.900	0.800	0.700	0.700	0.400	0.800	0.800

KURTOSIS	4.392	6.847	8.672	5.395	5.494	4.682	3.436	3.324	3.709	2.886	2.189	3.063	1.977
RECORD YEAR	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	1963	1963	1963	1963	1963	1963	1963	1963	1963	1958	1958	1964	1958
NORMALIZED MAX	0.230	15.420	20.180	21.189	20.187	20.180	21.180	21.33	25.140	26.280	27.049	43.310	63.930
CALC. COEF. VAR	2.936	2.951	3.158	3.199	2.944	2.471	2.294	2.149	2.272	2.109	1.690	2.263	1.619
REGION. COEF. VAR	0.34	0.65	0.50	0.475	0.454	0.415	0.404	0.374	0.410	0.371	0.340	0.336	0.223
USED COEF. VAR	0.34	0.65	0.50	0.475	0.454	0.415	0.404	0.374	0.410	0.371	0.340	0.336	0.223
MEAN/A	1.222	1.577	1.795	1.945	2.057	2.220	2.493	2.673	3.102	3.512	4.214	5.841	1.0000
HP10/A	1.181	1.481	1.689	1.864	1.925	2.147	2.463	2.615	2.769	2.930	3.422	4.817	1.4437
HP25/A	1.224	1.619	1.823	1.984	2.042	2.130	2.581	2.681	2.968	2.761	3.71	1.0428	1.6617
RP100/A	2.934	3.811	4.554	4.107	4.241	4.594	4.363	4.682	4.685	4.820	1.1487	1.8144	1.8144
RP1000/A	2.772	3.775	4.274	4.537	4.724	5.061	4.583	4.868	4.691	4.691	1.2429	1.9598	1.9598
RP10000/A	4.952	5.511	6.521	6.508	6.664	6.725	7.399	8.196	9.259	1.1005	1.5610	4.4091	4.4091
PMF/A	4.378	6.233	8.921	7.723	7.401	7.770	8.583	8.843	9.964	1.0903	1.2949	1.6502	2.8264
PMF/A	8.056	11.747	13.375	14.290	14.614	16.011	17.827	19.829	21.810	24.534	29.057	40.364	54.980

PEAKSUN TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS MAY NOT REPRESENT

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB	STATION NAME	ELEV	SFC	TAP	WGS	LOT	RAN	LATITUDE	LONGITUDE	COUNTY	CODE
040 7731 0	SAH CLF ELITE DAM	410	23	175	02F	M		36.447	121.760	27	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS 4-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	10	150	200	300
2	2.61	3.32	3.77	4.03	4.24	4.45	5.02	5.44	6.26	7.10	8.02
5	3.67	4.79	5.42	5.75	6.04	6.43	7.06	7.66	8.64	9.74	10.94
10	4.36	5.74	6.53	6.98	7.24	7.62	8.34	8.94	10.17	11.40	12.75
20	5.31	6.73	7.57	7.94	8.32	8.71	9.53	10.21	11.65	12.85	14.08
25	5.47	7.03	7.88	8.27	8.65	9.05	9.88	10.56	12.01	13.24	14.48
40	5.93	7.65	8.48	8.85	9.22	9.75	10.65	11.35	12.75	14.18	15.67
50	6.12	7.94	8.78	9.17	9.54	10.17	11.07	11.71	13.13	14.59	16.10
100	6.62	8.64	9.48	9.87	10.24	10.85	12.04	12.77	14.21	15.63	17.20
200	7.00	9.27	10.11	10.50	10.87	11.48	12.80	13.53	15.00	16.45	18.10
1000	8.32	11.72	12.57	13.34	14.13	14.73	16.12	16.39	17.91	19.42	21.57
10000	10.14	14.51	15.37	16.30	16.97	17.43	18.54	19.31	21.24	22.73	24.43
PMF	10.94	17.35	18.16	19.20	19.83	20.47	21.50	22.12	24.04	25.60	27.33
MEAN	2.813	3.672	4.142	4.341	4.534	4.884	5.385	5.836	6.813	7.844	9.026
CLOCK HP. CON.	1.140	1.176	1.059	1.020	1.011	1.018	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REGIONAL SKEW	1.210	1.216	1.330	1.209	1.100	1.000	1.000	0.900	0.800	0.700	0.600
SKEW USED	1.200	1.200	1.300	1.200	1.000	1.000	1.000	0.900	0.800	0.700	0.600
KURTOSIS	3.461	3.417	3.114	2.664	2.031	2.464	2.386	2.920	3.059	2.869	3.673
RECORD YEAR	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	5.350	6.470	7.050	7.770	8.220	8.440	9.400	11.000	12.520	13.260	15.100
NORMALIZED MAX	1.975	1.854	1.831	1.821	1.814	1.807	1.826	1.833	1.857	1.863	1.912
CALC. COEF. VAR	0.451	0.441	0.405	0.402	0.403	0.407	0.417	0.410	0.403	0.399	0.393
REGION. COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393
USED COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393
MEAN/A	0.1332	0.1729	0.1958	0.2067	0.2182	0.2301	0.2534	0.2747	0.3113	0.3504	0.4249
HP10/A	0.2052	0.2722	0.3073	0.3240	0.3401	0.3588	0.3928	0.4230	0.4780	0.5368	0.6375
HP20/A	0.2453	0.3310	0.3718	0.3843	0.4074	0.4262	0.4658	0.5003	0.5654	0.6253	0.7533
HP30/A	0.2742	0.3746	0.4166	0.4304	0.4535	0.4741	0.5177	0.5513	0.6180	0.6700	0.8060
HP40/A	0.3032	0.4180	0.4603	0.4742	0.5011	0.5202	0.5674	0.6022	0.6732	0.7253	0.8658
HP50/A	0.3177	0.4381	0.4806	0.4948	0.5233	0.5430	0.5924	0.6280	0.7010	0.7538	0.8957
HP100/A	0.3477	0.5014	0.5438	0.5582	0.5868	0.6060	0.6574	0.6928	0.7670	0.8203	0.9624
HP200/A	0.4775	0.6837	0.7478	0.7625	0.7908	0.8108	0.8726	0.9091	0.9944	1.0479	1.2055
PMF/A	0.5045	0.7278	0.7928	0.8075	0.8355	0.8554	0.9185	0.9556	1.0407	1.0942	1.2517

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB	STATION NAME	ELEV	SFC	TAP	WGS	LOT	RAN	LATITUDE	LONGITUDE	COUNTY	CODE
E20 5995 0	MT TAMALPAIS 1 S	950						37.917	122.547	21	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS 4-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	10	150	200	300
2	3.34	4.43	5.05	5.58	6.00	6.47	7.44	8.2	9.68	11.46	14.03
5	4.71	6.38	7.30	8.00	8.57	9.22	10.69	11.46	13.47	15.92	19.40
10	5.69	7.77	8.96	9.65	10.24	11.04	12.45	13.57	15.69	18.69	22.36
20	6.64	9.12	1.05	11.22	11.97	12.79	14.27	15.42	17.94	21.21	25.78
25	6.75	9.35	11.83	11.72	12.41	13.33	14.84	16.01	18.64	21.99	26.71
40	7.31	11.44	11.81	12.74	13.40	14.46	15.12	17.21	19.99	23.58	28.63
50	7.57	11.88	12.27	13.22	13.90	14.99	16.55	17.77	20.47	24.32	29.52
100	9.16	13.43	15.10	16.15	16.94	18.18	19.81	21.12	24.36	28.71	34.81
1000	10.94	16.37	18.30	19.45	20.28	21.76	23.43	24.81	28.44	33.51	40.59
10000	13.47	21.51	22.40	24.18	24.94	26.74	28.41	29.85	33.99	40.62	48.43
PMF	25.72	36.84	41.95	44.24	46.05	51.48	57.44	61.85	72.34	85.05	102.71
MEAN	1.499	0.946	0.633	0.516	0.404	0.304	0.234	0.177	0.129	0.100	0.079
CLOCK HP. CON.	1.140	1.170	1.059	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	0.222	0.000	0.733	0.715	0.721	0.647	0.627	0.963	0.682	0.377	0.601
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800	0.600
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800	0.600
KURTOSIS	3.673	3.629	2.603	2.773	2.757	2.638	3.194	4.413	3.751	2.216	2.529
RECORD YEAR	1967	1967	1963	1963	1967	1961	1967	1967	1967	1967	1951
RECORD MAXIMUM	6.050	9.210	10.270	11.260	11.360	12.900	15.210	16.200	19.990	19.990	25.590
NORMALIZED MAX	1.413	2.049	1.873	1.907	1.822	1.876	2.280	2.670	2.528	1.839	1.944
CALC. COEF. VAR	0.367	0.411	0.437	0.435	0.415	0.396	0.414	0.429	0.406	0.369	0.395
REGION. COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393
USED COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393
MEAN/A	0.0910	0.1232	0.1403	0.1537	0.1640	0.1768	0.2002	0.2188	0.2564	0.3035	0.3712
HP10/A	0.1401	0.1937	0.2208	0.2405	0.2563	0.2764	0.3103	0.3369	0.3944	0.4657	0.5605
HP20/A	0.1682	0.2370	0.2678	0.2919	0.3093	0.3323	0.3698	0.3989	0.4645	0.5480	0.6657
HP30/A	0.1867	0.2705	0.3064	0.3285	0.3479	0.3729	0.4124	0.4429	0.5061	0.5901	0.7072
HP40/A	0.2007	0.3028	0.3412	0.3653	0.3853	0.4136	0.4536	0.4853	0.5612	0.6617	0.8026
HP50/A	0.2126	0.3274	0.3661	0.3908	0.4095	0.4373	0.4838	0.5183	0.5949	0.7013	0.8416
HP100/A	0.2344	0.3511	0.3862	0.4099	0.4215	0.4468	0.5019	0.5340	0.6093	0.7107	0.8507
PMF/A	0.4648	0.6981	0.7653	0.8126	0.8479	0.9150	1.0029	1.0512	1.2020	1.3594	1.6000

PFAFSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO.		STATION NAME	ELEV	SFC TWP	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY CODE				
HSN ORDER SUB													
E20 7880 8		SAN RAFAEL	25	024 06N	M	37.474	122.595		21				
PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.47	5.00	5.57	6.01	6.53	7.07	7.97	8.89	10.55	11.96	14.32	21.63	36.48
5	5.45	7.25	8.05	8.62	9.33	10.07	11.24	12.43	14.68	16.61	19.79	29.00	47.58
10	7.51	9.43	10.37	11.03	11.78	12.63	13.94	15.38	17.43	19.50	23.20	33.67	54.00
20	10.41	13.35	14.42	15.08	15.90	16.77	18.29	20.07	22.43	24.90	29.30	38.26	59.62
25	11.47	14.41	15.48	16.14	16.96	17.83	19.35	21.12	23.58	26.04	30.44	39.41	61.31
40	14.47	17.41	18.48	19.14	19.96	20.83	22.35	24.12	26.58	29.04	33.44	42.41	64.73
50	16.47	19.41	20.48	21.14	21.96	22.83	24.35	26.12	28.58	31.04	35.44	44.41	67.15
100	21.47	24.41	25.48	26.14	26.96	27.83	29.35	31.12	33.58	36.04	40.44	49.41	71.55
1000	36.47	39.41	40.48	41.14	41.96	42.83	44.35	46.12	48.58	51.04	55.44	64.41	86.83
PMF	25.47	28.41	29.48	30.14	30.96	31.83	33.35	35.12	37.58	40.04	44.44	53.41	75.83

MEAN	4.227	5.434	6.204	6.638	7.165	7.745	8.607	9.522	11.218	12.769	15.201	22.185	37.517
CLOCK HR. COG.	1.150	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260	1.270	1.280	1.290
CALCULATED SKEW	1.500	1.243	1.069	0.862	0.642	0.491	0.331	0.212	0.121	0.065	0.035	0.015	0.005
REGIONAL SKEW	1.400	1.100	0.900	0.700	0.500	0.300	0.100	0.000	-0.100	-0.200	-0.300	-0.400	-0.500
SKEW USED	1.300	1.000	0.800	0.600	0.400	0.200	0.100	0.000	-0.100	-0.200	-0.300	-0.400	-0.500
KURTOSIS	6.800	4.820	4.775	4.298	3.901	3.584	3.037	2.430	2.529	2.347	2.004	1.768	2.675
RECORD YEAR	1964	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981	1981
RECORD MAXIMUM	2.100	10.440	11.760	12.720	12.720	12.720	14.560	15.390	20.110	23.180	29.530	45.560	61.130
NORMALIZED MAX	2.618	2.667	2.699	2.760	2.844	2.923	3.092	3.195	3.267	3.297	3.298	3.298	3.298
CALC. COEF. VAR	0.403	0.304	0.231	0.182	0.137	0.101	0.071	0.051	0.036	0.024	0.015	0.008	0.004
REGION. COEF. VAR	0.403	0.304	0.231	0.182	0.137	0.101	0.071	0.051	0.036	0.024	0.015	0.008	0.004
USED COEF. VAR	0.403	0.304	0.231	0.182	0.137	0.101	0.071	0.051	0.036	0.024	0.015	0.008	0.004
MEAN/H	0.1127	0.1447	0.1655	0.1764	0.1910	0.2054	0.2294	0.2538	0.2990	0.3387	0.4052	0.5913	1.0000
HF100/H	0.1745	0.2352	0.2603	0.2770	0.2984	0.3217	0.3555	0.3909	0.4599	0.5197	0.6183	0.9027	1.4393
HF25/H	0.2004	0.2689	0.3101	0.3302	0.3501	0.3709	0.4237	0.4627	0.5415	0.6116	0.7266	1.0557	1.6342
HF50/H	0.2137	0.2904	0.3306	0.3504	0.3704	0.3904	0.4237	0.4627	0.5415	0.6116	0.7266	1.0557	1.6342
HF100/H	0.2585	0.3678	0.4224	0.4518	0.4805	0.5092	0.5597	0.6092	0.6880	0.7571	0.8760	1.2649	1.8917
RF100/H	0.3377	0.4954	0.5378	0.5664	0.5950	0.6236	0.6731	0.7173	0.8263	0.9118	1.0309	1.5802	2.2652
RF1000/H	0.4161	0.6267	0.6701	0.6986	0.7272	0.7557	0.8111	0.8553	0.9875	1.1131	1.3174	1.8731	2.6607
PMF/H	0.7437	1.1152	1.2327	1.2996	1.3441	1.3776	1.4403	1.4861	1.7017	1.8361	2.1936	3.0632	5.9000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE														
STATION NO.		STATION NAME	ELEV	SFC	TWP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY CODE			
HSN	ORDER SUB													
E20	A351 0	SINOVA	20	17	05N	05W	C	M	38.280	122.440	49			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2		2.63	3.46	3.97	4.41	4.83	5.16	5.90	6.62	7.70	8.40	10.00	15.12	27.92
5		3.70	5.01	5.75	6.32	6.90	7.35	8.31	9.26	10.72	11.94	13.92	20.85	36.42
10		4.42	6.10	6.97	7.62	8.28	8.81	9.87	10.93	12.60	14.02	16.31	24.35	41.32
20		5.10	7.16	8.15	8.98	9.59	10.19	11.31	12.46	14.31	15.91	18.49	27.51	45.63
25		5.31	7.40	8.52	9.25	9.99	10.63	11.78	12.93	14.83	16.49	19.18	28.48	46.92
40		5.75	8.19	9.30	10.07	10.84	11.52	12.69	13.91	15.91	17.49	20.54	30.46	49.54
50		5.96	8.52	9.66	10.45	11.24	11.94	13.11	14.36	16.41	18.24	21.16	31.37	50.74
100		6.59	9.54	10.78	11.61	12.45	13.23	14.47	15.73	17.93	19.91	23.11	34.12	54.31
200		7.21	10.54	11.88	12.76	13.64	14.49	15.70	17.07	19.39	21.53	24.97	36.77	57.70
1000		8.61	12.69	14.41	15.37	16.13	17.36	18.66	20.05	22.60	25.13	29.11	42.83	65.04
10000		10.56	16.09	17.95	19.62	20.68	21.31	22.51	24.12	27.05	30.02	34.74	50.53	74.67
PMF		20.23	28.91	33.02	36.78	39.69	41.03	45.52	49.97	57.57	63.81	73.68	110.24	171.70
MEAN		2.472	3.481	4.432	4.871	5.301	5.656	6.366	7.094	8.189	9.135	10.686	15.953	28.712
CLOCK HR. COG.		1.141	1.170	1.190	1.200	1.210	1.210	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW		1.391	1.090	0.783	0.537	0.403	0.317	0.200	0.100	0.050	0.020	0.010	0.005	0.000
REGIONAL SKEW		1.300	1.000	0.700	0.500	0.300	0.200	0.100	0.000	-0.100	-0.200	-0.300	-0.400	-0.500
SKEW USED		1.300	1.000	0.700	0.500	0.300	0.200	0.100	0.000	-0.100	-0.200	-0.300	-0.400	-0.500
KURTOSIS		2.298	4.487	3.612	3.025	2.438	2.042	2.036	3.011	2.544	2.536	3.084	2.933	3.603
RECORD YEAR		1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM		4.380	7.060	8.270	8.788	9.290	10.240	11.150	13.100	15.580	16.250	20.860	30.200	52.300
NORMALIZED MAX		1.766	3.086	2.900	2.712	2.617	2.617	2.617	2.617	2.617	2.617	2.617	2.617	2.617
CALC. COEF. VAR		0.297	0.317	0.299	0.296	0.304	0.310	0.331	0.336	0.365	0.330	0.322	0.329	0.279
REGION. COEF. VAR		0.403	0.304	0.231	0.182	0.137	0.101	0.071	0.051	0.036	0.024	0.015	0.008	0.004
USED COEF. VAR		0.403	0.304	0.231	0.182	0.137	0.101	0.071	0.051	0.036	0.024	0.015	0.008	0.004
MEAN/H		0.1000	0.1352	0.1544	0.1694	0.1846	0.1976	0.2217	0.2471	0.2852	0.3182	0.3722	0.5556	1.0000
HF100/H		0.1512	0.2124	0.2409	0.2658	0.2896	0.3036	0.3387	0.3637	0.4087	0.4387	0.4887	0.6887	1.1430
HF25/H		0.1550	0.2069	0.2368	0.2623	0.2861	0.3001	0.3352	0.3602	0.4052	0.4352	0.4852	0.6852	1.1350
HF50/H		0.1675	0.2267	0.2566	0.2821	0.3059	0.3199	0.3550	0.3800	0.4250	0.4550	0.5050	0.7050	1.1672
RF100/H		0.2294	0.3321	0.3754	0.4044	0.4336	0.4627	0.5023	0.5480	0.6243	0.6936	0.8047	1.1885	1.8917
RF1000/H		0.2994	0.4474	0.5018	0.5353	0.5688	0.6024	0.6420	0.6816	0.7812	0.8505	1.0105	1.4388	2.2652
RF10000/H		0.3676	0.5605	0.6252	0.6587	0.6922	0.7257	0.7653	0.8049	0.9241	1.0434	1.2101	1.7599	2.6007
PMF/H		0.7044	1.0070	1.1501	1.2460	1.3427	1.4291	1.5852	1.7405	2.0051	2.2224	2.5661	3.8393	5.9800

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB E30 1312 U	STATION NAME CALISTOGA	FLW 435	SEC 364	TMP 36	RNG LOT JMM 07W K	HMM M	LATITUDE 34°58'4	LONGITUDE 122°54'3	COUNTY CODE 28				
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.86	4.69	5.00	5.11	5.24	7.17	8.32	9.12	10.92	11.76	13.42	20.08	36.45
5	5.43	7.02	7.10	7.28	7.45	10.22	11.72	12.75	14.73	15.33	19.24	27.70	47.55
10	6.49	8.58	8.62	8.77	8.93	12.25	13.92	14.95	17.36	18.18	22.55	32.34	54.95
20	7.40	11.02	11.44	11.70	11.94	14.17	15.95	17.16	19.72	21.77	25.57	36.54	59.57
25	7.74	11.47	11.80	12.02	12.25	14.77	16.54	17.81	20.45	22.56	26.50	37.82	61.26
30	8.04	11.87	12.09	12.29	12.53	15.09	16.89	18.15	21.13	23.40	28.40	40.45	64.68
50	8.74	12.93	13.00	13.17	13.35	16.40	18.40	19.73	22.62	24.66	29.28	41.66	66.25
100	9.46	13.36	13.44	13.69	13.87	18.34	20.34	21.67	24.71	27.25	31.95	45.32	70.91
200	10.57	14.76	14.74	15.08	15.24	20.13	22.14	23.50	26.72	29.46	34.53	48.84	75.33
1000	12.62	17.99	18.24	18.30	18.48	24.16	26.14	27.51	31.20	34.38	40.26	54.81	84.92
10000	15.44	22.54	22.64	22.83	23.03	28.62	31.75	33.62	37.28	41.07	48.05	67.11	97.49
RPM	20.68	41.50	40.50	40.58	40.60	47.62	64.20	64.80	79.35	87.30	101.88	146.39	224.17

MEAN	4.212	5.437	6.242	6.750	7.344	7.860	8.479	9.769	11.287	12.499	14.776	21.186	37.487
CLOCK MR. CUR.	1.140	1.270	1.040	1.020	1.110	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.135	1.196	1.073	0.899	1.041	1.067	1.067	1.060	1.060	1.060	1.060	1.060	1.060
REGIONAL SKEW	1.130	1.060	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.130	1.060	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KUMTDS15	5.244	4.678	4.328	3.728	3.190	3.091	3.706	2.449	2.225	2.687	3.673	2.833	2.534
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1914	1914	1914	1914	1914	1914	1914	1914	1914	1914	1914	1914	1914
RECORD MAXIMUM	3.160	12.71	13.840	14.540	14.420	14.420	14.420	20.100	21.661	24.740	33.140	43.760	66.340
NORMALIZED MAX	3.193	3.07	3.178	3.070	2.727	2.401	3.000	2.729	2.330	2.510	3.000	2.705	2.895
CALC. COEF. VAR	0.403	0.394	0.383	0.370	0.373	0.374	0.394	0.384	0.393	0.392	0.393	0.393	0.393
REGION. COEF. VAR	0.403	0.390	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392
USED COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392

MEAN/A	0.1124	0.1650	0.1065	0.1801	0.1973	0.2097	0.2395	0.2406	0.3011	0.3334	0.3942	0.5652	1.0000
RPM/A	0.1710	0.2274	0.2020	0.2819	0.3043	0.3268	0.3712	0.4014	0.4632	0.5115	0.6016	0.8627	1.4393
RP25/A	0.2578	0.2794	0.2702	0.3421	0.3707	0.3948	0.4454	0.4751	0.5454	0.6019	0.7004	1.0000	1.4393
RP50/A	0.3111	0.3104	0.3029	0.3861	0.4183	0.4428	0.5334	0.5276	0.6035	0.6557	0.7812	1.1114	1.7672
RP100/A	0.3478	0.3601	0.3502	0.4350	0.4692	0.4904	0.5427	0.5781	0.6591	0.7268	0.8523	1.2089	1.8917
RP1000/A	0.3364	0.4000	0.412	0.4811	0.5091	0.5306	0.6465	0.7365	0.8322	0.9172	1.0739	1.5103	2.2652
RP10000/A	0.4131	0.6114	0.6143	0.7036	0.7177	0.7402	0.8662	0.9945	1.1281	1.2817	1.7901	2.4007	4.0007
RPM/A	0.7316	1.0005	1.0405	1.3225	1.4400	1.5212	1.7127	1.8359	2.1167	2.3289	2.7178	3.4053	5.0000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB E30 5333 U	STATION NAME MAINE ISLAND-NAVY YARD	FLW 62	SEC 438	TMP 434	RNG LOT JMM 03W K	HMM M	LATITUDE 34°11'0	LONGITUDE 122°27'0	COUNTY CODE 48				
MAXIMUM PRECIPITATION FOR INDICATED DURATION IN DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.99	2.45	2.67	2.12	3.32	3.74	4.29	4.64	5.49	6.12	7.22	10.44	18.72
5	2.81	3.54	3.87	4.18	4.74	5.40	6.05	6.48	7.64	8.50	9.98	14.40	24.41
10	3.35	4.31	4.69	5.41	5.69	6.44	7.18	7.65	8.98	9.97	11.69	16.82	27.70
20	3.66	5.06	5.44	6.29	6.59	7.49	8.23	8.72	10.25	11.32	13.26	19.08	30.57
25	4.02	5.30	5.73	6.50	6.87	7.81	8.56	9.05	10.58	11.76	13.74	19.67	31.45
30	4.36	5.79	6.25	7.14	7.45	8.47	8.72	9.73	11.35	12.59	14.73	21.04	33.21
50	4.51	6.03	6.50	7.41	7.72	8.78	9.55	10.05	11.70	12.98	15.14	21.67	34.01
100	4.49	6.75	7.25	8.23	8.54	9.72	10.50	11.01	12.78	14.17	16.57	23.57	36.41
200	4.69	7.46	7.99	9.05	9.37	10.65	11.43	11.94	13.82	15.32	17.90	25.40	38.68
1000	6.52	9.69	9.69	11.50	11.23	12.75	13.51	14.03	16.14	17.88	20.88	29.44	43.60
10000	7.99	11.34	12.08	13.48	13.80	15.67	16.39	16.88	19.28	21.36	24.92	34.90	50.06
RPM	15.32	21.46	22.21	26.37	26.54	30.16	33.14	34.97	41.04	45.41	52.83	76.13	115.10

MEAN	2.175	2.740	2.982	3.454	3.643	4.157	4.634	4.964	5.839	6.501	7.663	11.018	19.248
CLOCK MR. CON.	1.140	1.070	1.040	1.020	1.010	1.010	1.008	1.004	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.703	1.504	1.337	1.303	1.141	1.033	0.941	0.902	0.878	0.848	0.807	0.743	0.693
REGIONAL SKEW	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KUMTDS15	3.542	6.694	9.975	5.546	4.749	3.691	3.348	2.804	3.959	3.583	4.092	2.930	2.274
N	31	34	33	34	32	33	34	33	34	34	34	34	34
RECORD YEAR	1959	1963	1963	1963	1963	1972	1966	1972	1966	1972	1972	1972	1968
RECORD MAXIMUM	3.866	6.750	8.240	8.610	8.610	4.790	10.370	10.130	14.000	14.900	18.210	21.660	33.420
NORMALIZED MAX	2.938	3.154	3.794	3.196	2.477	2.388	2.647	2.301	2.973	2.869	2.965	2.777	1.989
CALC. COEF. VAR	0.374	0.462	0.473	0.467	0.454	0.468	0.468	0.452	0.470	0.450	0.464	0.416	0.370
REGION. COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392
USED COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392

MEAN/A	0.1130	0.1427	0.1549	0.1794	0.1893	0.2106	0.2408	0.2574	0.3033	0.3378	0.3981	0.5724	1.0000
RP10/A	0.1740	0.2242	0.2437	0.2809	0.2957	0.3365	0.3732	0.3972	0.4666	0.5182	0.6076	0.8738	1.4393
RP25/A	0.2009	0.2751	0.2979	0.3409	0.3649	0.4054	0.4447	0.4702	0.5495	0.6098	0.7139	1.0219	1.6932
RP50/A	0.2344	0.3132	0.3376	0.3848	0.4112	0.4581	0.4960	0.5221	0.6080	0.6745	0.7890	1.1256	1.7672
RP100/A	0.2592	0.3505	0.3768	0.4277	0.4455	0.5055	0.5425	0.5721	0.6840	0.7444	0.8668	1.1891	1.8917
RP1000/A	0.3187	0.4721	0.5035	0.5611	0.5832	0.6722	0.7021	0.7269	0.8384	0.9202	1.0847	1.5297	2.2652
RP10000/A	0.4154	0.5916	0.6274	0.7009	0.7171	0.8139	0.8513	0.8771	1.0019	1.1099	1.2945	1.8131	2.6007
RPM/A	0.7961	1.1628	1.1541	1.3179	1.3817	1.5668	1.7216	1.8170	2.1325	2.3594	2.7450	3.9554	5.9800

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER NO.	STATION NAME	ELEV	SFC	T&P	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY				
E30 6074 0	NAPA STATE HOSPITAL	73	14	05N	04W	J	N	38+27R	122+244 58				
MAXIMUM PRECIPITATION FOR INDICATED DURATION -- DAYS -- HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.76	3.26	3.63	4.03	4.30	4.94	5.49	6.37	7.09	8.41	12.23	23.00
5	3.61	4.00	4.71	5.21	5.75	6.13	6.97	7.65	8.87	9.85	11.62	16.86	30.00
10	5.06	4.87	5.71	6.29	6.89	7.35	8.28	9.03	10.42	11.56	13.62	19.69	34.04
25	6.15	5.71	6.68	7.31	7.97	8.40	9.40	10.30	11.93	13.12	15.45	22.24	37.59
50	6.72	5.99	6.94	7.63	8.33	8.68	9.67	10.49	12.27	13.41	16.01	23.02	36.65
100	6.88	6.53	7.62	8.30	9.04	9.41	10.65	11.55	13.16	14.59	17.16	24.62	40.81
200	6.88	6.60	7.92	8.61	9.37	9.66	11.08	11.87	13.57	15.05	17.69	25.36	41.80
500	6.76	7.61	8.85	9.56	10.30	11.03	12.10	13.01	14.82	16.43	19.30	27.59	44.74
1000	6.40	6.41	8.74	9.52	10.37	11.07	12.11	13.02	14.76	16.27	20.00	29.73	47.53
1000	7.05	11.25	11.66	12.67	13.61	14.44	15.58	16.57	18.72	20.73	24.32	34.46	53.58
1000	8.55	12.84	14.71	15.68	16.74	17.77	18.89	19.94	22.37	24.76	29.02	40.85	61.52
PMF	16.46	23.07	27.05	29.50	32.25	34.21	38.20	41.31	47.61	52.64	61.54	89.11	141.45
MEAN													
CLOCK HR. CUR.	2.336	3.149	3.632	4.017	4.414	4.715	5.342	5.866	6.773	7.516	8.920	12.896	23.653
CLOCK HR. CUM.	1.147	1.175	1.046	1.020	1.011	1.016	1.060	1.060	1.001	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.248	2.342	1.800	1.430	1.213	1.094	1.113	1.093	1.001	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS													
RECORD YEAR	5.141	15.324	8.721	6.772	5.470	5.437	4.307	3.442	2.555	2.444	2.560	2.658	2.448
RECORD MAX	74	74	75	75	75	74	74	75	75	75	75	75	74
NORMALIZED MAX	1.763	1.763	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963
RECORD MAXIMUM	4.460	9.320	4.940	1.105	10.371	11.366	12.220	12.65	13.231	14.163	17.310	24.360	42.060
RECORD MAXIMUM	5.410	10.400	5.410	1.000	10.371	11.366	12.220	12.65	13.231	14.163	17.310	24.360	42.060
CALC. COEF. VAR	1.451	3.348	3.72	3.75	3.41	3.77	3.73	3.74	3.76	3.76	3.76	3.76	3.76
REGION. COEF. VAR	1.451	3.348	3.72	3.75	3.41	3.77	3.73	3.74	3.76	3.76	3.76	3.76	3.76
USED COEF. VAR	1.451	3.348	3.72	3.75	3.41	3.77	3.73	3.74	3.76	3.76	3.76	3.76	3.76
MEAN/PMF													
RECORD YEAR	1.098	1.100	1.535	1.698	1.800	1.903	2.254	2.479	2.861	3.186	3.774	5.452	1.0000
RECORD MAXIMUM	1.1521	1.257	1.216	1.250	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216
NORMALIZED MAX	1.1521	1.257	1.216	1.250	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216
CALC. COEF. VAR	1.1521	1.257	1.216	1.250	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216
REGIONAL COEF. VAR	1.1521	1.257	1.216	1.250	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216
USED COEF. VAR	1.1521	1.257	1.216	1.250	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216	1.216

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUD	STATION NAME	ELEV	SFC	T&P	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY				
E30 4351 0	OAKVILLE TOWN	115	21	07N	05W	G	M	38+44N	122+419 2R				
MAXIMUM PRECIPITATION FOR INDICATED DURATION -- DAYS -- HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.65	4.79	5.66	6.50	6.63	6.88	7.99	8.64	9.99	11.35	13.36	19.03	33.31
5	5.14	6.94	7.89	8.67	9.16	9.41	11.26	12.07	13.91	15.76	18.51	26.25	43.44
10	6.13	7.45	8.56	11.21	11.01	11.78	13.37	14.24	16.34	18.50	21.69	30.65	49.29
25	7.07	8.42	11.14	11.07	12.75	13.00	15.32	16.64	18.56	21.00	24.39	34.63	54.43
50	7.37	11.30	11.70	12.39	13.24	14.18	15.93	16.86	19.24	21.77	25.48	35.84	55.97
100	7.94	11.35	12.77	13.60	14.42	15.37	16.23	18.13	20.64	23.15	27.31	38.33	59.10
200	8.28	11.61	13.27	13.99	14.95	15.93	17.77	18.72	21.27	24.08	28.16	39.48	60.53
500	8.14	13.22	14.80	15.55	16.50	17.50	19.54	20.51	23.25	26.29	30.73	42.95	64.79
1000	9.94	14.61	16.32	17.08	18.14	19.33	21.27	22.25	25.15	28.43	33.20	46.28	68.83
1000	11.94	17.81	19.76	20.58	21.72	23.14	25.15	26.14	29.36	33.18	38.72	53.65	77.58
10000	14.64	22.31	24.65	25.47	26.71	28.43	30.50	31.65	35.69	39.83	46.21	63.59	90.67
PMF	25.06	47.08	45.35	47.31	51.40	54.74	61.67	65.16	74.69	85.24	97.98	130.73	204.81
MEAN													
CLOCK HR. CUR.	3.993	5.389	6.087	6.522	7.050	7.545	8.625	9.249	10.624	12.040	14.220	20.077	34.250
CLOCK HR. CUM.	1.140	1.070	1.048	1.026	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.437	1.128	1.072	1.021	1.028	1.011	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS													
RECORD YEAR	4.464	4.274	4.402	6.780	8.750	8.002	6.876	7.127	4.028	2.895	3.560	3.221	2.458
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1964	1964	1963	1956	1956	1964	1956	1956	1956	1956	1956	1956	1958
RECORD MAXIMUM	9.100	10.290	10.290	13.510	16.100	16.600	18.220	19.230	19.991	20.780	25.340	34.100	53.710
NORMALIZED MAX	2.140	2.624	2.309	2.994	3.375	3.303	3.163	3.223	2.672	2.256	2.492	2.216	1.985
CALC. COEF. VAR	2.06	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332
REGION. COEF. VAR	2.06	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332
USED COEF. VAR	2.06	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332	2.332
MEAN/PMF													
RECORD YEAR	1.149	1.1571	1.1777	1.1404	1.2058	1.2203	1.2514	1.2701	1.3102	1.3521	1.4144	1.5862	1.0000
RECORD MAXIMUM	1.1919	1.2669	1.2794	1.2981	1.3210	1.3433	1.3903	1.4159	1.4771	1.5402	1.6332	1.8940	1.4393
NORMALIZED MAX	1.1919	1.3132	1.3417	1.3610	1.3881	1.4133	1.4581	1.4923	1.5614	1.6357	1.7440	1.0465	1.4393
CALC. COEF. VAR	1.2113	1.3448	1.3873	1.4084	1.4304	1.4552	1.4917	1.5081	1.5217	1.5362	1.5512	1.5712	1.7672
REGION. COEF. VAR	1.2113	1.3859	1.4322	1.4539	1.4734	1.5152	1.5705	1.5994	1.6791	1.7676	1.8701	1.2539	1.8917
USED COEF. VAR	1.2113	1.3859	1.4322	1.4539	1.4734	1.5152	1.5705	1.5994	1.6791	1.7676	1.8701	1.2539	1.8917
PEARSON TYPE III DISTRIBUTION USED													
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS	2.193	1.1703	1.3240	1.4987	1.5020	1.4992	1.4006	1.4024	2.1804	2.4595	2.8608	4.0506	5.9800

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TMP	WNG LUT	WMM	LATITUDE	LONGITUDE	COUNTY CODE				
E30 A754 U	DAKVILLE 454	1474	64	MM	15W	"	36.303	122.447	28				
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.15	4.23	4.12	4.00	3.74	3.64	4.61	9.64	11.24	12.79	15.37	21.98	39.02
5	4.45	4.72	4.85	4.47	3.74	3.44	4.14	13.47	15.72	17.77	21.25	30.31	50.90
10	4.99	5.41	5.73	5.12	3.43	3.14	3.43	15.89	18.47	20.86	24.91	35.39	57.76
25	8.06	11.04	12.55	13.20	14.24	15.09	16.51	18.12	20.94	23.68	28.24	39.99	63.77
50	14.30	17.65	19.31	20.46	21.85	23.74	25.17	28.11	31.75	34.65	40.27	41.39	65.58
100	17.40	21.43	23.11	24.31	25.00	26.11	27.00	30.23	33.33	36.13	41.37	44.27	69.24
1000	34.61	43.14	46.87	48.60	49.44	50.49	51.15	56.89	64.07	67.15	72.34	75.92	104.36
10000	104.41	144.71	164.54	174.39	184.44	194.49	210.60	224.84	264.44	284.44	324.49	404.60	744.91
100000	114.30	164.26	184.29	194.11	204.26	214.44	224.92	244.83	284.43	304.43	344.13	414.45	804.64
1000000	174.40	214.43	234.14	244.31	254.00	264.11	274.11	304.19	334.19	364.40	444.40	514.40	1044.36
PHF	31.97	44.84	51.83	53.59	57.43	60.75	66.47	72.69	84.42	94.98	112.52	140.22	239.97

MEAN	4.54	5.984	6.423	7.246	7.874	8.374	9.294	14.318	12.008	13.597	16.320	23.186	40.129
CLOCK HR. CON.	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140
CALCULATED SKEW	1.414	2.401	1.218	1.661	2.411	2.555	2.445	2.124	1.275	1.056	1.233	.984	.717
REGIONAL SKEW	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140
SKEW USEL	1.300	1.400	1.500	1.400	1.400	1.300	1.100	.900	.900	.900	.900	.800	.500

KUMTUSIS	6.441	8.331	4.700	6.679	10.740	11.740	11.144	9.435	5.436	4.694	5.336	7.818	2.927
RECORD YEAR	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD MAXIMUM	7.160	12.151	12.650	14.344	20.010	22.150	22.990	25.171	26.210	27.510	33.480	42.410	66.690
NORMALIZED MAX	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902	2.902
CALC. COEF. VAR	.400	.437	.432	.431	.427	.446	.437	.440	.434	.434	.435	.435	.427
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.409	.394	.394	.332
USED COEF. VAR	.403	.431	.430	.423	.421	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1131	.1442	.1700	.1814	.1902	.2047	.2317	.2571	.2992	.3388	.4067	.5778	1.0000
HF100/A	.1741	.2344	.2675	.2844	.3064	.3259	.3550	.3900	.4603	.5199	.6207	.8820	1.4393
HF25/A	.2042	.2673	.3004	.3173	.3394	.3589	.3880	.4231	.4934	.5531	.6539	1.0315	1.6342
HF50/A	.2343	.3075	.3406	.3575	.3796	.4007	.4298	.4649	.5352	.5949	.6957	1.1362	1.7672
HF1000/A	.2594	.3645	.4126	.4314	.4507	.4694	.4881	.5068	.5550	.6031	.6734	1.2359	1.8917
HF10000/A	.3389	.4937	.5526	.5736	.6040	.6354	.6755	.7267	.8271	.9311	1.1080	1.5440	2.2652
HF100000/A	.4157	.6100	.6894	.7097	.7404	.7804	.8204	.8714	.9814	1.1134	1.3223	1.8392	2.6007
PHF/A	.7066	1.1114	1.2667	1.3554	1.4324	1.5139	1.6563	1.8115	2.1037	2.3668	2.8041	3.9926	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TMP	WNG LOT	WMM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB									CODE
E30 7643 U	ST BELFRA	437	425	31	MM	C	M	36.517	122.441
									28

MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.79	4.41	5.09	5.62	6.14	6.40	7.65	8.39	9.94	11.67	12.98	18.76	32.84
5	4.77	6.38	7.36	8.07	9.82	9.40	10.78	11.73	13.43	15.38	17.94	25.86	42.83
10	5.74	7.77	8.93	9.73	10.56	11.27	12.80	13.44	16.25	18.05	21.03	30.20	48.60
20	6.57	9.12	10.44	11.31	12.25	13.03	14.67	15.74	18.46	20.49	23.44	34.12	53.66
25	6.84	9.54	10.92	11.81	12.77	13.50	15.25	16.34	19.14	21.25	24.71	35.32	56.14
50	7.61	1.43	11.91	12.84	13.89	14.73	15.53	17.62	20.53	22.78	26.48	37.77	58.27
100	7.68	11.85	12.30	13.32	14.34	15.27	17.01	18.19	21.10	23.50	27.30	38.91	59.68
200	8.49	12.15	13.81	14.81	15.91	16.91	19.71	19.93	23.13	25.45	29.79	42.32	63.88
1000	11.49	15.43	18.46	19.60	20.87	22.17	24.08	25.40	29.40	31.47	37.54	52.87	76.56
10000	16.06	21.50	23.00	24.26	25.67	27.25	29.19	30.56	34.96	38.67	44.80	62.67	87.82
PHF	26.66	36.84	42.30	45.64	49.45	52.66	59.64	63.32	74.28	82.20	94.94	140.72	201.94

MEAN/A	.1194	.1464	.1681	.1840	.2000	.2141	.2445	.2661	.3129	.3445	.4080	.5859	1.0000
HF10/A	.1847	.2301	.2645	.2880	.3134	.3337	.3784	.4499	.4813	.5346	.6220	.8944	1.4333
HF25/A	.2026	.2626	.3233	.3496	.3742	.4024	.4516	.4852	.5660	.6291	.7316	1.0460	1.6342
HF50/A	.2273	.3214	.3665	.3946	.4253	.4522	.5016	.5388	.6271	.6954	.8095	1.1521	1.9172
HF100/A	.2513	.3457	.4085	.4394	.4711	.5022	.5516	.5893	.6757	.7597	.8891	1.2533	1.9917
HF10000/A	.3714	.4646	.5465	.5805	.6161	.6506	.7130	.7521	.8648	.9586	1.1115	1.5657	2.2652
HF100000/A	.4627	.6072	.6869	.7184	.7500	.8078	.8645	.9050	1.0335	1.1450	1.3265	1.4558	2.9007
PHF/A	.7714	1.1409	1.2526	1.3514	1.4644	1.5536	1.7482	1.8749	2.1996	2.4341	2.8130	4.0485	5.9800

PEAKFLOW TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE K IS SMALL RESULTS ARE NOT REPRESENTATIVE

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	MM	LATITUDE	LONGITUDE	COUNTY
830 766A	ST. PIERRE MS	1796	14	N7N	6W	M	34.5	122.533	21	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS 4-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	7.26	5.47	4.30	3.47	2.89	2.46	2.04	1.73	12.92	15.44
5	4.68	3.43	2.71	2.17	1.74	1.43	1.14	0.91	15.92	21.35
10	3.47	2.56	2.00	1.54	1.20	0.94	0.74	0.57	21.07	25.02
20	2.49	1.73	1.32	1.03	0.78	0.57	0.41	0.31	24.26	27.40
25	2.11	1.46	1.09	0.82	0.61	0.44	0.32	0.24	26.40	29.10
40	1.47	1.07	0.77	0.57	0.43	0.31	0.22	0.16	28.53	31.81
50	1.24	0.89	0.64	0.47	0.35	0.25	0.18	0.13	30.43	33.45
100	0.83	0.53	0.38	0.27	0.19	0.14	0.10	0.07	34.44	38.13
200	0.53	0.33	0.23	0.16	0.11	0.08	0.05	0.04	38.10	41.10
1000	0.27	0.16	0.11	0.07	0.05	0.03	0.02	0.01	44.06	47.15
10000	0.14	0.08	0.05	0.03	0.02	0.01	0.01	0.00	52.32	55.47
MP	31.50	45.74	52.33	58.91	64.06	67.30	70.79	74.05	85.47	113.02

MEAN	4.329	6.147	7.025	7.599	8.228	8.726	9.761	10.653	12.154	13.735
CLOCK HR. COR.	1.140	1.173	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.434	1.413	1.219	1.200	1.185	1.170	1.155	1.140	1.125	1.110
REGIONAL SKEW	1.434	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
KURTOSIS	2.174	2.652	3.007	3.544	4.123	4.562	4.450	4.494	3.690	4.150
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	6.200	10.450	11.720	13.400	15.720	16.200	18.200	22.200	24.200	26.200
NORMALIZED MAX	1.272	1.484	2.337	2.147	2.423	2.605	2.656	2.608	2.411	2.357
CALC. COEF. VAR	1.415	1.416	1.409	1.402	1.391	1.381	1.372	1.364	1.356	1.348
REGION. COEF. VAR	1.415	1.410	1.410	1.423	1.423	1.417	1.410	1.403	1.399	1.393
USED COEF. VAR	1.415	1.410	1.410	1.423	1.423	1.417	1.410	1.403	1.399	1.393
MEAN/A	1.009	1.433	1.638	1.772	1.918	2.034	2.274	2.464	2.835	3.202
HP10/A	1.252	1.527	1.677	1.774	1.877	1.957	2.107	2.264	2.513	2.742
HP25/A	1.467	1.765	1.914	1.986	2.071	2.129	2.273	2.424	2.535	2.742
HP50/A	1.704	1.946	2.057	2.080	2.107	2.129	2.188	2.264	2.395	2.513
HP100/A	2.316	2.321	2.383	2.424	2.430	2.459	2.516	2.559	2.623	2.684
HP1500/A	3.025	3.044	3.026	3.000	2.911	2.836	2.735	2.610	2.413	2.265
HP10000/A	3.710	3.594	3.633	3.618	3.564	3.467	3.307	3.153	2.927	2.703
MP/A	7.111	1.177	1.202	1.304	1.405	1.476	1.472	1.749	1.929	2.233

PRECIPITATION DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	MM	LATITUDE	LONGITUDE	COUNTY
840 1648	CHRYST RES	343	245	30	N2S	N2W	R	M	37.730	122.122
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS 4-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.18	2.69	3.07	3.40	3.71	4.01	4.58	5.05	5.84	6.54
5	1.07	1.39	1.44	1.49	1.50	1.51	1.66	1.76	1.92	2.07
10	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
20	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
40	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
50	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
100	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
200	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
1000	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
10000	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
MP	10.74	22.48	25.53	27.64	29.74	31.85	35.38	38.13	43.95	48.57

MEAN	2.181	3.418	3.427	3.793	4.008	4.391	4.949	5.412	6.252	6.954
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.795	2.116	2.653	2.276	1.938	1.394	1.765	1.667	1.554	1.511
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
KURTOSIS	7.474	10.407	14.839	16.441	19.003	2.267	4.244	3.366	2.407	2.945
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1911	1911
RECORD MAXIMUM	6.040	8.400	11.430	11.930	11.430	11.430	11.950	11.950	15.200	17.220
NORMALIZED MAX	3.076	4.732	5.497	5.362	5.061	4.618	3.884	3.279	3.269	2.944
CALC. COEF. VAR	1.415	1.415	1.415	1.415	1.415	1.415	1.415	1.415	1.415	1.415
REGION. COEF. VAR	1.415	1.410	1.410	1.423	1.423	1.417	1.410	1.403	1.399	1.393
USED COEF. VAR	1.415	1.410	1.410	1.423	1.423	1.417	1.410	1.403	1.399	1.393
MEAN/A	1.020	1.387	1.569	1.723	1.863	2.010	2.264	2.478	2.863	3.184
HP10/A	1.217	1.271	1.269	1.267	1.261	1.313	1.312	1.310	1.403	1.483
HP25/A	1.507	1.567	1.561	1.573	1.572	1.578	1.595	1.595	1.683	1.773
HP50/A	1.702	1.705	1.705	1.705	1.705	1.705	1.705	1.705	1.705	1.705
HP100/A	2.501	2.395	2.391	2.391	2.375	2.375	2.375	2.375	2.375	2.375
HP1500/A	3.764	3.573	3.510	3.538	3.540	3.540	3.540	3.540	3.540	3.540
HP10000/A	4.618	4.730	4.635	4.627	4.557	4.557	4.557	4.557	4.557	4.557
MP/A	7.641	1.171	1.171	1.262	1.354	1.458	1.452	1.757	2.012	2.223

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION BASED ON 15 STANDARD DEVIATIONS

MPMP N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC TWP	RNG LOT	RNG	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUB E40 1664 0	CHARLES HILL BARN	725			N	37.994	122.170	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS					
	10	20	30	100	300	F YR
2	2.26	3.72	4.37	7.37	10.42	27.40
5	4.15	6.44	6.91	12.84	18.25	36.50
10	6.25	9.55	10.32	17.88	25.15	62.56
20	8.71	12.69	13.34	23.89	33.90	88.29
50	12.35	18.35	19.01	33.00	47.75	123.38
100	16.64	24.64	25.70	44.39	63.45	163.00
300	26.67	37.16	38.12	64.25	88.37	225.85
1000	37.03	51.25	52.40	88.00	123.22	308.87
3000	46.77	61.43	62.67	107.02	148.41	386.94
10000	56.64	71.61	72.84	126.76	173.04	447.94
100000	114.82	171.30	174.06	251.55	342.45	864.41
PHP	27.66	37.08	38.00	57.12	82.05	176.19
MEAN	3.217	4.172	4.130	8.104	11.401	24.463
CLOCK HR. COR.	1.161	1.171	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.161	1.176	1.068	1.010	1.010	1.000
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	3.231	5.088	7.823	11.76	14.315	24.070
N	22	22	22	22	22	22
RECORD YEAR	1761	1961	1963	1956	1956	1961
RECORD MAXIMUM	6.470	9.129	12.870	19.140	27.411	47.010
NORMALIZED MAX	1.414	2.461	3.045	4.343	5.824	11.813
CALC. COEF. VAR	1.364	1.996	1.922	1.252	1.334	1.420
REGION. COEF. VAR	1.13	1.30	1.40	1.30	1.13	1.12
USED COEF. VAR	1.13	1.30	1.40	1.30	1.13	1.12
MEAN/A	1.192	1.416	1.731	2.752	4.039	10.000
MP10/A	1.161	1.225	1.224	1.245	1.016	1.000
MP25/A	1.2019	1.273	1.328	1.512	1.180	1.000
MP50/A	1.2265	1.308	1.373	1.573	1.272	1.000
MP100/A	1.2515	1.3474	1.420	1.640	1.336	1.000
MP300/A	1.2722	1.3686	1.443	1.703	1.3692	1.000
MP1000/A	1.3013	1.3871	1.4611	1.7358	1.4074	1.000
MP3000/A	1.3692	1.4544	1.5287	1.7389	1.4659	1.000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC TWP	RNG LOT	RNG	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUB E40 2177 0	CHUCKETT	12	34	034	034	N	38.033	122.217

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS					
	10	20	30	100	300	F YR
2	1.85	2.31	2.79	4.37	6.56	16.43
5	2.60	3.34	3.91	6.17	9.28	22.42
10	3.11	4.07	4.74	7.40	11.00	26.14
20	4.58	6.76	8.04	10.90	16.71	36.66
50	6.04	9.47	11.32	14.69	21.31	33.05
100	7.19	11.63	13.57	17.05	24.62	34.12
200	8.63	13.37	15.33	19.15	26.37	37.39
500	10.77	15.94	17.92	21.89	28.59	40.59
1000	12.05	17.58	19.30	23.68	30.33	42.87
10000	17.42	21.75	23.28	28.11	35.12	57.94
PHP	14.22	18.31	19.45	23.67	29.69	40.821
MEAN	2.019	2.592	3.014	4.008	7.236	10.000
CLOCK HR. COR.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.457	1.611	2.106	1.779	1.451	1.000
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	2.474	6.352	9.806	3.142	2.441	2.585
N	44	44	44	44	44	44
RECORD YEAR	1760	1963	1963	1967	1956	1961
RECORD MAXIMUM	3.150	5.960	8.560	14.350	13.260	31.040
NORMALIZED MAX	1.663	3.133	4.024	2.290	2.262	2.048
CALC. COEF. VAR	1.337	1.415	1.457	1.413	1.365	1.349
REGION. COEF. VAR	1.13	1.30	1.40	1.30	1.13	1.12
USED COEF. VAR	1.13	1.30	1.40	1.30	1.13	1.12
MEAN/A	1.116	1.432	1.665	2.657	3.999	10.000
MP10/A	1.1718	1.2251	1.2620	1.4088	1.0103	1.000
MP25/A	1.2064	1.2764	1.3202	1.4935	1.112	1.000
MP50/A	1.2315	1.3144	1.3630	1.5554	1.1809	1.000
MP100/A	1.2559	1.3519	1.4000	1.6159	1.2045	1.000
MP300/A	1.3344	1.4740	1.5413	1.7112	1.1787	2.4452
MP1000/A	1.4101	1.5939	1.6745	1.6009	1.4434	3.2044
MP3000/A	1.7461	1.6870	1.2407	1.7177	2.7572	5.9400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 1064	STATION NAME HAYWARD HIGH SCHOOL	ELEV 110	SFC TYP 04	WIND LOT 045	WIND D 024	WIND J	LATITUDE 37-67N	LONGITUDE 122-04E	COUNTY CODE 40	
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.11	2.58	2.97	3.34	3.59	3.78	4.34	4.82	5.59	6.09
5	2.94	3.74	4.30	4.79	5.13	5.41	6.17	6.73	7.78	8.46
10	3.64	4.55	5.22	5.78	6.10	6.48	7.32	7.94	9.14	9.93
20	4.68	5.34	6.10	6.72	7.13	7.56	8.40	9.08	10.34	11.28
25	4.95	5.59	6.30	7.02	7.43	7.85	8.73	9.41	10.76	11.64
50	6.00	6.72	7.45	8.16	8.60	9.04	10.00	10.71	12.53	13.46
50	6.77	7.23	7.92	8.36	8.78	9.19	10.14	10.85	12.49	13.41
100	6.97	7.12	8.06	8.80	9.24	9.74	10.71	11.44	13.00	14.11
200	6.74	7.87	8.80	9.87	10.64	11.16	11.65	12.66	14.05	15.26
1000	6.44	6.54	10.78	11.45	12.15	12.75	13.78	14.57	17.61	20.50
10000	6.45	12.02	13.43	14.42	14.94	15.67	16.71	17.53	19.67	21.27
PMP	16.19	21.59	24.76	27.14	28.78	30.17	33.74	36.32	41.76	45.92

MEAN	2.247	2.498	3.316	3.642	3.942	4.159	4.726	5.156	5.941	6.474
CLOCK HR. COV.	1.142	1.170	1.050	1.040	1.030	1.020	1.020	1.011	1.000	1.000
CALCULATED SKEW	3.194	3.083	2.303	2.303	2.303	2.303	2.303	2.303	2.303	2.303
REGIONAL SKEW	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KUNTSIS	17.177	16.918	16.245	11.505	6.625	6.731	4.703	3.914	2.974	2.185
N	4.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
RECORD YEAR	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142
RECORD MAXIMUM	4.610	4.610	4.610	4.610	4.610	4.610	4.610	4.610	4.610	4.610
NORMALIZED MAX	4.610	4.770	4.900	4.614	4.144	4.924	3.473	2.470	2.523	2.113
CALC. COEF. VAR	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
REGION. COEF. VAR	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
USED COEF. VAR	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61

MEAN/A	1.137	1.134	1.000	1.027	1.050	1.058	1.238	1.251	1.293	1.322
MP10/A	1.176	1.253	1.307	1.307	1.307	1.307	1.307	1.307	1.307	1.307
MP20/A	2.102	2.747	3.154	3.471	3.677	3.877	4.318	4.65	5.324	5.762
MP50/A	2.358	3.147	3.575	3.917	4.133	4.344	4.814	5.164	5.890	6.395
MP100/A	2.607	3.522	3.940	4.354	4.581	4.813	5.297	5.638	6.431	6.982
RP1000/A	3.472	4.745	5.332	5.734	6.004	6.216	7.000	7.612	8.811	9.480
RP10000/A	4.178	5.945	6.643	7.132	7.369	7.755	8.264	8.767	10.524	12.102
PMP/A	16.067	21.661	24.220	27.147	28.737	30.428	33.714	36.369	41.761	45.900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 4357 0	STATION NAME JENSEN RANCH	ELEV 460	SFC TYP J1	WIND LOT 025	WIND D 014	WIND D	LATITUDE 37.71N	LONGITUDE 122.07W	COUNTY CODE 40	
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS H-HOURS)										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.23	2.83	3.32	3.71	4.09	4.38	4.94	5.30	6.47	7.27
5	3.14	4.11	4.81	5.33	5.84	6.24	6.97	7.44	9.01	10.10
10	3.74	5.00	5.81	6.42	6.91	7.44	8.27	8.81	10.59	11.85
20	4.67	6.07	6.92	7.67	8.11	8.64	9.49	10.07	12.03	13.44
25	4.90	6.14	7.13	7.90	8.46	9.02	9.88	10.46	12.47	13.95
40	4.87	6.72	7.78	8.46	9.17	9.78	10.04	11.24	13.34	14.96
50	5.05	6.99	8.08	8.80	9.51	10.14	10.98	11.61	13.80	15.43
100	5.64	7.92	9.02	9.79	10.63	11.29	12.02	12.72	15.67	17.64
200	6.10	8.64	9.74	10.75	11.64	12.30	13.16	13.6	16.21	18.21
1000	7.24	10.53	12.05	12.92	13.82	14.72	15.56	16.21	19.03	21.25
10000	8.44	13.48	15.01	16.10	16.94	17.89	18.67	19.51	22.74	25.34
PMP	17.13	23.71	27.02	30.15	32.74	34.97	38.19	40.44	48.39	53.97

MEAN	2.432	3.169	3.737	4.135	4.468	4.780	5.337	5.735	6.884	7.727
CLOCK HR. COV.	1.144	1.140	1.140	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.134	1.034	1.126	1.439	1.743	1.790	1.389	1.245	1.203	1.396
REGIONAL SKEW	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

KUNTSIS	4.526	3.102	4.676	4.433	3.744	3.612	2.854	2.597	2.205	2.849
N	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
RECORD YEAR	1.911	1.911	1.911	1.911	1.911	1.911	1.911	1.911	1.911	1.911
RECORD MAXIMUM	4.510	5.760	6.820	6.226	5.283	10.180	1.480	1.480	15.770	17.880
NORMALIZED MAX	2.431	2.231	3.044	3.180	2.404	2.444	2.622	2.633	4.790	2.670
CALC. COEF. VAR	1.31	1.33	1.37	1.32	1.29	1.29	1.33	1.24	1.37	1.35
REGION. COEF. VAR	1.31	1.33	1.37	1.32	1.29	1.29	1.33	1.24	1.37	1.35
USED COEF. VAR	1.31	1.33	1.37	1.32	1.29	1.29	1.33	1.24	1.37	1.35

MEAN/A	1.012	1.025	1.043	1.070	1.067	1.098	1.221	1.237	1.265	1.326
MP10/A	1.054	1.092	1.097	1.097	1.097	1.097	1.097	1.097	1.097	1.097
MP20/A	1.172	1.257	1.294	1.326	1.350	1.375	1.402	1.432	1.519	1.580
MP50/A	1.210	1.298	1.337	1.368	1.394	1.421	1.456	1.483	1.574	1.630
MP100/A	1.232	1.325	1.372	1.403	1.428	1.453	1.502	1.526	1.621	1.671
RP1000/A	1.304	1.434	1.505	1.531	1.563	1.616	1.677	1.696	1.791	1.846
RP10000/A	1.371	1.543	1.624	1.671	1.703	1.769	1.783	1.818	1.963	1.975
PMP/A	17.11	20.69	1.144	1.254	1.360	1.444	1.588	1.681	2.011	2.263

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUR E40 4637 0	LATAFTFT RESERVOIR	470	3n	01n	03n 0	4	37.865	122.140	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.70	3.55	4.09	6.54	10.00	24.74
5	3.81	5.16	5.92	9.38	13.98	32.95
10	4.54	6.29	7.18	11.24	16.64	38.43
20	5.24	7.38	8.39	13.01	19.15	43.60
25	5.44	7.70	8.77	13.57	19.93	45.22
40	5.91	8.44	9.57	14.73	21.56	48.68
50	6.13	8.78	9.94	15.27	22.32	50.15
100	6.77	9.81	11.09	16.34	24.00	54.96
200	7.41	1.107	12.24	17.38	26.44	59.44
1000	8.44	13.24	14.83	22.31	32.13	70.37
10000	10.45	16.54	18.47	27.53	39.34	85.24
PMF	20.40	24.81	31.98	51.47	75.16	154.08
MEAN	2.443	4.101	4.582	7.306	10.400	26.602
CLOCK HR., COR.	1.140	1.70	1.948	1.010	1.010	1.000
CALCULATED SKEW	1.254	1.15	1.70	1.410	1.545	1.548
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	2.654	3.651	3.289	3.463	2.386	2.446
N	29	29	29	29	29	29
RECORD YEAR	1970	1963	1963	1950	1950	1958
RECORD MAXIMUM	4.200	7.500	9.700	16.100	21.250	45.300
NORMALIZED MAX	1.548	2.140	2.325	2.420	2.254	2.220
CALC. COEF., VARI	.293	.416	.437	.440	.420	.327
REGION. COEF., VARI	.403	.430	.430	.403	.493	.332
USED COEF., VARI	.403	.430	.430	.403	.493	.332
MEAN/A	.1110	.1584	.1715	.2747	.4409	1.0000
RP10/A	.1709	.2304	.2699	.4226	.6254	1.4444
RP20/A	.2053	.2803	.3297	.5102	.7443	1.6999
RP50/A	.2303	.3302	.3738	.5741	.8392	1.8853
RP100/A	.2544	.3695	.4170	.6368	.9260	2.0661
RP1000/A	.3324	.4878	.5574	.9380	1.4078	2.6452
RP10000/A	.4000	.6237	.6945	1.0347	1.4790	3.2044
PMF/A	.7819	1.1205	1.2775	1.4350	2.0253	5.9400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUR E40 5371 0	MARTINEZ 3 S	275		07N	02W	M	37.967	122.133	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.18	2.95	3.45	5.58	8.36	19.02
5	3.07	4.24	4.99	7.89	11.69	25.33
10	3.66	5.21	6.04	9.45	13.91	29.54
20	4.23	6.12	7.08	10.94	16.01	33.52
25	4.40	6.40	7.40	11.41	16.67	34.76
40	4.77	7.00	8.08	12.38	18.03	37.35
50	4.94	7.24	8.35	12.84	18.67	38.56
100	5.46	8.15	9.36	14.24	20.62	42.25
200	5.97	9.01	10.32	15.62	22.53	45.88
1000	7.13	10.94	12.52	18.75	26.87	54.10
10000	8.75	13.75	15.50	23.14	32.90	65.53
PMF	18.76	24.71	28.69	41.27	62.86	122.30
MEAN	2.379	3.317	3.050	6.142	9.116	20.451
CLOCK HR., COR.	1.140	1.070	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.744	2.415	2.504	.788	.104	.632
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	6.417	10.997	11.660	3.374	1.970	2.410
N	25	25	25	25	25	25
RECORD YEAR	1963	1963	1963	1950	1950	1958
RECORD MAXIMUM	4.760	9.290	11.540	12.200	15.890	34.860
NORMALIZED MAX	2.434	3.392	3.634	2.264	1.940	2.074
CALC. COEF., VARI	.411	.531	.550	.436	.383	.352
REGION. COEF., VARI	.403	.430	.430	.403	.493	.332
USED COEF., VARI	.403	.430	.430	.403	.493	.332
MEAN/A	.1163	.1622	.1883	.3004	.4458	1.0000
RP10/A	.1791	.2549	.2962	.4421	.6803	1.4444
RP20/A	.2152	.3130	.3620	.5579	.8151	1.6999
RP50/A	.2414	.3501	.4104	.6278	.9129	1.8853
RP100/A	.2649	.3985	.4579	.6963	1.0083	2.0661
RP1000/A	.3487	.5368	.6120	.9171	1.3139	2.6452
RP10000/A	.4277	.6725	.7625	1.1315	1.6090	3.2044
PMF/A	.8197	1.2083	1.4027	2.1100	3.0730	5.9400

PEARSON TYPE III DISTRIBUTION USED
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 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 5371 40	STATION NAME MARTINEZ CORP YARD	ELEV 145	SEC M	TWP 38-01N	RNG LOT 122-11E	COUNTY 07
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS						
RETURN PERIOD IN YEARS	10	20	30	100	500	F YR
2	1.89	2.36	2.82	4.63	6.96	16.60
5	2.47	3.42	4.07	6.54	9.65	22.10
10	3.19	4.16	4.94	7.94	11.44	26.77
20	3.84	4.89	5.77	9.07	13.21	29.24
25	3.83	5.11	6.04	9.46	13.75	30.33
40	4.15	5.59	6.59	10.27	14.88	32.58
50	4.30	5.82	6.88	10.65	15.44	33.84
100	4.75	6.51	7.64	11.81	17.01	36.86
200	5.20	7.20	8.42	12.95	18.54	40.82
1000	6.21	8.77	10.21	15.55	22.17	47.19
10000	7.61	11.59	12.12	19.19	26.13	57.17
PMP	14.54	19.74	23.40	35.88	51.86	106.69
MEAN	2.070	2.850	3.140	5.093	7.322	17.841
CLOCK HR. COR.	1.140	1.670	1.840	1.010	1.010	1.000
CALCULATED SKEW	1.364	1.977	2.130	1.676	1.524	1.629
REGIONAL SKEW	1.300	1.800	1.900	1.400	1.300	1.300
SKEW USED	1.300	1.800	1.900	1.400	1.300	1.300
KURTOSIS	5.445	6.810	9.842	3.314	3.144	2.652
N	44	34	26	34	34	44
RECORD YEAR	1963	1963	1963	1956	1956	1958
RECORD MAXIMUM	3.560	4.070	4.320	10.690	14.520	32.810
NORMALIZED MAX	2.297	3.400	3.764	4.080	2.633	2.455
CALC. COEF. VAR	1.318	1.374	1.38	1.419	1.358	1.342
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332
MEAN/A	.1160	.1485	.1760	.2855	.4216	1.0000
NP10/A	.1747	.2334	.2769	.4343	.6434	1.4444
NP25/A	.2148	.2867	.3384	.5333	.7764	1.6999
NP50/A	.2408	.3260	.3837	.6067	.8653	1.8853
NP100/A	.2662	.3649	.4291	.6618	.9536	2.0651
NP1000/A	.3478	.4615	.5721	.8717	1.2426	2.6452
NP10000/A	.4266	.6153	.7129	1.0755	1.5217	3.2044
PMP/A	.8175	1.1085	1.4114	2.0112	2.9084	5.9880

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E40 5377 0	STATION NAME MARTINEZ FIRE STATION	ELEV 26	SEC 02N	TWP 02W	RNG LOT M	LATITUDE 38-017	LONGITUDE 122-113	COUNTY 07
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS								
RETURN PERIOD IN YEARS	10	20	30	100	500	F YR		
2	1.46	2.44	2.91	4.63	6.97	17.13		
5	2.42	3.53	4.21	6.54	9.74	22.81		
10	3.12	4.30	5.11	7.84	11.59	26.60		
20	3.60	5.04	5.97	9.07	13.34	30.18		
25	3.75	5.28	6.25	9.46	13.89	31.30		
40	4.07	5.77	6.81	10.27	15.02	33.83		
50	4.21	6.00	7.08	10.65	15.56	34.72		
100	4.64	6.72	7.99	11.81	17.18	38.04		
200	5.04	7.42	8.71	12.95	18.77	41.31		
1000	6.08	9.05	10.56	15.55	22.34	48.71		
10000	7.46	11.34	13.16	19.19	27.42	59.01		
PMP	14.30	20.37	24.20	35.84	52.37	110.11		
MEAN	2.070	2.734	3.248	5.094	7.546	18.414		
CLOCK HR. COR.	1.140	1.670	1.840	1.010	1.010	1.030		
CALCULATED SKEW	1.364	1.800	2.025	1.634	1.388	1.683		
REGIONAL SKEW	1.300	1.800	1.900	1.400	1.300	1.300		
SKEW USED	1.300	1.800	1.900	1.400	1.300	1.300		
KURTOSIS	4.004	6.674	9.500	3.375	2.490	2.598		
N	26	26	26	26	26	31		
RECORD YEAR	1963	1963	1963	1956	1956	1958		
RECORD MAXIMUM	3.984	6.380	6.970	10.510	13.441	32.740		
NORMALIZED MAX	2.010	2.854	3.457	4.357	2.143	2.303		
CALC. COEF. VAR	.324	.465	.510	.451	.390	.338		
REGN. COEF. VAR	.403	.430	.430	.403	.393	.332		
USED COEF. VAR	.403	.430	.430	.403	.393	.332		
MEAN/A	.1102	.1485	.1764	.2766	.4125	1.0000		
NP10/A	.1697	.2333	.2775	.4256	.6296	1.4444		
NP25/A	.2019	.2865	.3392	.5138	.7543	1.6999		
NP50/A	.2287	.3259	.3845	.5783	.8448	1.8853		
NP100/A	.2529	.3648	.4296	.6413	.9330	2.0651		
NP1000/A	.3303	.4913	.5734	.8446	1.2158	2.6452		
NP10000/A	.4052	.6157	.7144	1.0421	1.4684	3.2044		
PMP/A	.7745	1.1061	1.3143	1.9484	2.8441	5.9880		

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	HHN	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB										
E40 5915 0	FT DIALLO NORTH GATE	2670	02	N15	03W	R	M	37.869	121.974	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	P YR
2	2.61	3.36	3.83	5.49	8.54	21.81
5	3.67	4.86	5.54	8.32	11.94	29.65
10	4.38	5.92	6.72	9.47	14.21	33.48
20	5.06	6.95	7.85	11.55	18.36	38.44
25	5.27	7.28	8.21	12.14	19.03	39.87
40	5.70	7.96	8.96	13.07	20.42	42.83
50	5.93	8.28	9.31	13.55	21.07	44.21
100	6.43	8.78	10.39	14.03	21.08	48.44
200	7.14	11.24	11.45	16.49	24.66	52.61
1000	8.53	14.48	13.88	19.79	27.45	62.04
10000	10.47	15.63	17.30	24.42	32.61	75.15
PMP	20.06	28.09	31.82	45.67	66.21	140.24
MEAN	2.847	3.770	4.271	6.483	9.312	21.452
CLOCK HR. COR.	1.140	1.071	1.048	1.010	1.010	1.000
CALCULATED SKEW	1.300	1.404	1.455	1.481	1.484	1.486
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.500	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	4.411	4.425	5.543	3.144	2.040	2.510
N	21	21	21	21	21	21
RECORD YEAR	1467	1963	1963	1956	1956	1968
RECORD MAXIMUM	5.020	7.500	10.010	14.241	15.119	39.190
NORMALIZED MAX	1.710	1.094	2.552	6.181	1.784	2.022
CALC. COEF. VAR	.446	.504	.526	.413	.448	.432
REGION. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.413	.393	.332
MEAN/A	1.1214	1.1609	1.1821	1.2764	1.3471	1.0000
RP10/A	1.1804	1.2528	1.2866	1.4253	1.5061	1.4444
RP25/A	1.2248	1.3107	1.3502	1.4135	1.4841	1.4949
RP50/A	1.2512	1.3529	1.3970	1.4778	1.5133	1.4883
RP100/A	1.2746	1.3949	1.4330	1.6009	1.6042	1.6061
RP1000/A	1.3039	1.5320	1.5920	1.7105	2.0482	
RP10000/A	1.4463	1.6666	1.7376	1.9414	1.9332	3.2044
PMP/A	1.8553	1.9476	1.9569	1.9474	2.1478	5.9400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	HHN	LATITUDE	LONGITUDE	COUNTY
ASN ORDER SUB										
E40 6135 0	OAKLAND NWS	3						37.133	122.290	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	100	150	200	300	600	1050
2	1.98	2.45	2.85	3.11	3.30	3.59	4.06	4.53	5.43	6.07	7.24	10.71	14.95	
5	2.40	3.55	4.12	4.47	4.83	5.12	5.72	6.33	7.56	8.42	10.11	14.77	26.02	
10	3.34	4.33	5.00	5.39	5.79	6.14	6.74	7.47	8.88	9.89	11.73	17.25	29.53	
20	3.85	5.09	5.84	6.26	6.70	7.10	7.78	8.52	10.93	11.23	13.30	19.49	32.60	
25	4.01	5.31	6.11	6.54	6.99	7.40	8.09	8.85	10.46	11.64	13.78	20.17	33.53	
40	4.34	5.81	6.66	7.11	7.58	8.03	8.24	9.51	11.22	12.48	14.77	21.57	35.40	
50	4.50	6.04	6.93	7.38	7.86	8.32	8.63	9.82	11.57	12.87	15.23	22.22	36.26	
100	4.97	6.74	7.73	8.20	8.71	9.21	9.93	10.76	12.64	14.05	16.62	24.17	38.81	
200	5.44	7.44	8.52	9.01	9.53	10.09	10.80	11.68	13.67	15.20	17.96	26.05	41.23	
1000	6.50	9.11	10.33	10.89	11.42	12.00	12.78	13.71	15.99	17.73	20.24	30.20	46.48	
10000	7.97	11.42	12.87	13.44	14.04	14.84	15.49	16.50	19.48	21.18	24.99	35.79	53.36	
PMP	15.27	20.51	23.67	24.28	27.03	28.57	31.33	34.19	40.60	45.03	52.94	78.08	122.70	
MEAN	2.144	2.754	3.174	3.442	3.700	3.938	4.382	4.853	5.775	6.447	7.685	11.300	20.518	
CLOCK HR. COR.	1.140	1.071	1.049	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.134	1.172	1.191	1.207	1.209	1.16	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000	
KURTOSIS	4.763	5.135	6.873	3.424	4.700	4.184	3.482	1.751	2.887	3.283	3.014	1.152	2.829	
N	77	77	77	77	77	77	77	77	77	77	77	77	77	
RECORD YEAR	1963	1969	1963	1963	1963	1963	1969	1889	1889	1911	1911	1911	1936	
RECORD MAXIMUM	4.530	6.230	8.240	8.530	8.530	8.560	8.880	11.280	11.560	14.150	16.070	22.990	36.550	
NORMALIZED MAX	2.700	3.050	3.751	3.593	3.277	2.947	2.592	3.281	2.613	3.107	2.743	2.565	2.417	
CALC. COEF. VAR	.403	.414	.425	.412	.397	.398	.398	.404	.383	.385	.385	.385	.385	
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332	
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332	
MEAN/A	1.057	1.1342	1.1549	1.1677	1.1906	1.219	1.2136	1.2365	1.2815	1.3142	1.3745	1.5507	1.0000	
RP10/A	1.1627	1.2107	1.2436	1.2626	1.2822	1.2991	1.3310	1.3643	1.4339	1.4820	1.5716	1.8407	1.4393	
RP25/A	1.1954	1.2540	1.2978	1.3187	1.3403	1.3607	1.3944	1.4312	1.5099	1.5672	1.6716	1.9832	1.4342	
RP50/A	1.2192	1.2946	1.3376	1.3577	1.3797	1.4017	1.4388	1.4781	1.5647	1.6274	1.7622	1.0830	1.7672	
RP100/A	1.2424	1.3297	1.3766	1.3968	1.4222	1.4470	1.4838	1.5246	1.6161	1.6849	1.8098	1.1780	1.8917	
RP1000/A	1.3167	1.4441	1.5034	1.5292	1.5565	1.5888	1.6227	1.6884	1.7780	1.8443	1.0204	1.4717	2.2652	
RP10000/A	1.3884	1.5565	1.6272	1.6549	1.6843	1.7234	1.7551	1.8049	1.9297	1.0324	1.2178	1.7444	2.8007	
PMP/A	1.7444	1.9999	1.9137	1.9230	1.9184	1.9295	1.9269	1.9662	1.9787	2.0197	2.0528	3.8054	5.9800	

PEAKFLOW TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. H&N ORDER SUB E40 6431 U	STATION NAME CHINIA FILTERS	ELFV 476	SEC 33	TMP 014	WNG LNT 038	HAM N	LATITUDE 37.843	LONGITUDE 122.280	COUNTY CODE 07				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS 4-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.96	3.44	4.57	5.18	5.58	6.13	6.84	7.62	8.42	9.35	11.22	15.95	30.13
5	4.17	5.77	6.61	7.44	7.94	8.60	9.65	10.47	11.72	12.98	15.51	22.00	39.30
10	4.94	7.03	6.61	8.47	7.43	10.31	11.45	12.55	13.77	15.24	18.10	25.68	44.60
20	5.74	8.25	4.37	11.43	11.03	11.92	13.13	14.33	15.65	17.30	20.61	29.02	49.24
30	5.48	6.63	9.74	11.88	11.50	12.43	13.65	14.97	16.29	17.93	21.36	30.04	50.64
40	6.47	6.44	10.84	11.44	11.44	12.46	13.66	14.96	16.46	18.23	22.66	32.12	55.47
50	6.71	6.42	11.10	12.28	12.43	13.47	15.22	16.31	17.35	19.43	23.61	33.09	54.76
100	7.41	11.94	12.34	13.66	14.15	15.47	16.74	18.04	19.60	21.65	25.76	35.99	58.76
200	8.11	12.15	13.66	15.00	15.49	16.94	18.22	19.63	21.20	23.41	27.63	36.78	62.27
1000	9.69	14.80	15.56	16.17	16.79	20.28	21.55	23.05	24.75	27.32	32.45	44.96	74.20
10000	11.88	18.53	20.63	22.37	23.11	24.93	26.13	27.74	29.58	32.64	38.73	53.29	80.59
PMP	22.77	33.32	37.95	42.08	44.53	47.94	52.84	57.47	62.95	69.37	82.13	116.26	185.31
MEAN	3.232	4.472	5.094	5.728	6.094	6.614	7.390	8.157	8.955	9.932	11.912	16.825	30.988
CLOCK HR. CORR.	1.140	1.074	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.517	2.244	2.968	4.136	2.677	1.744	1.464	1.455	1.857	1.721	1.445	1.440	1.333
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
KURTOSIS	6.426	10.425	15.393	16.843	16.839	7.031	5.473	3.768	3.200	2.602	2.139	2.353	2.110
N	35	35	35	31	31	31	31	35	31	31	35	31	35
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1956	1956	1956	1958
RECORD MAXIMUM	6.620	12.074	17.110	16.880	16.194	18.190	18.190	18.190	18.460	16.800	22.488	29.600	50.290
NORMALIZED MAX	2.754	3.694	4.339	3.878	3.492	3.306	2.468	2.854	2.909	2.560	2.192	1.920	1.937
CALC. COEF. VAR	.381	.467	.544	.550	.547	.529	.492	.463	.450	.441	.405	.379	.322
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/4	1.043	1.443	1.644	1.464	1.460	2.135	2.385	2.632	2.691	3.205	3.944	5.430	1.0000
HP10/4	1.066	2.268	2.586	2.894	3.075	3.327	3.604	4.054	4.445	4.917	5.867	6.889	1.4393
HP20/4	1.120	2.769	3.318	3.818	4.111	4.414	4.795	5.235	5.766	6.494	7.983	1.6342	
HP30/4	1.164	3.184	3.583	3.944	4.173	4.514	4.912	5.327	5.792	6.400	7.614	1.0677	1.7672
HP40/4	1.239	3.540	3.998	4.407	4.623	4.993	5.402	5.834	6.325	6.947	8.312	1.1614	1.8917
HP100/4	1.316	4.776	5.343	5.865	6.065	6.564	7.049	7.987	8.617	1.0473	1.4510	2.0652	
HP1000/4	1.934	5.945	6.657	7.216	7.457	8.045	8.432	9.854	1.0531	1.2449	1.7198	2.6007	
PMP/4	7.348	1.0752	1.2246	1.3570	1.4344	1.5447	1.7050	1.9545	2.0315	2.2347	2.6504	3.7519	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. H&N ORDER SUB E40 6431 U	STATION NAME MIDDLE CREEK	ELFV 215	SEC JMS	TMP 015	WNG LNT H	HAM H	LATITUDE 37.972	LONGITUDE 122.261	COUNTY CODE 07				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS 4-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.08	2.61	3.10	3.41	3.67	4.03	4.54	4.91	5.66	6.00	7.35	10.72	19.58
5	2.93	3.78	4.49	4.90	5.25	5.74	6.40	6.86	7.87	8.33	10.17	14.78	25.54
10	3.44	4.60	5.44	5.91	6.30	6.88	7.60	8.09	9.25	9.78	11.92	17.26	28.98
20	4.01	5.40	6.36	6.87	7.29	7.96	8.74	9.23	10.51	11.11	13.51	19.50	32.00
30	4.20	5.65	6.65	7.17	7.60	8.29	9.05	9.58	10.89	11.51	14.00	20.19	32.91
40	4.54	6.14	7.26	7.80	8.24	8.99	9.22	10.30	11.64	12.35	15.01	21.59	34.74
50	4.71	6.43	7.54	8.09	8.54	9.32	10.10	10.64	12.05	12.73	15.47	22.24	35.58
100	5.26	7.19	8.41	8.99	9.46	10.32	11.10	11.66	13.16	13.90	16.88	24.19	38.09
200	5.69	7.95	9.28	9.88	10.37	11.31	12.09	12.64	14.23	15.03	18.24	26.07	40.46
1000	6.40	9.69	11.24	11.40	12.42	13.43	14.29	14.85	16.62	17.54	21.27	30.22	45.61
10000	8.34	12.14	14.01	14.73	15.27	16.73	17.33	17.87	19.86	20.95	25.39	35.82	52.37
PMP	15.94	21.81	25.77	27.71	29.42	32.62	35.07	37.15	42.27	44.54	53.93	74.15	120.41
MEAN	2.268	2.928	3.459	3.773	4.030	4.414	4.902	5.255	6.013	6.377	7.808	11.309	20.136
CLOCK HR. CORR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.363	1.976	2.322	2.440	2.748	3.013	3.262	3.234	3.777	3.726	5.565	8.400	16.687
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
KURTOSIS	4.818	6.860	9.773	6.843	6.958	4.984	4.744	4.647	3.203	3.011	2.832	3.188	2.456
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1940	1963	1963	1963	1963	1956	1956	1956	1956	1956	1940	1958	
RECORD MAXIMUM	3.970	6.620	9.930	10.370	10.370	10.370	11.440	11.800	12.300	12.610	14.570	21.740	34.210
NORMALIZED MAX	1.989	2.703	3.420	3.151	2.819	2.723	2.723	2.757	2.425	2.253	2.309	2.274	1.912
CALC. COEF. VAR	.377	.491	.547	.555	.558	.531	.490	.452	.431	.434	.370	.406	.366
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/4	1.176	1.454	1.718	1.874	2.001	2.192	2.434	2.614	2.906	3.167	3.878	5.617	1.0000
HP10/4	1.174	2.295	2.703	2.933	3.127	3.314	3.773	4.019	4.594	4.859	5.918	8.574	14.393
HP20/4	1.263	2.806	3.303	3.560	3.774	4.119	4.496	4.754	5.410	5.719	6.953	1.0027	1.6342
HP30/4	1.233	3.192	3.745	4.018	4.243	4.629	5.014	5.283	5.985	6.324	7.684	1.1045	1.7672
HP40/4	1.257	3.572	4.178	4.466	4.701	5.127	5.515	5.693	6.537	6.870	8.084	1.2014	1.8917
HP100/4	1.376	4.612	5.584	5.912	6.167	6.722	7.199	7.375	8.254	8.712	1.0564	1.5009	2.2652
HP1000/4	1.414	6.629	6.958	7.316	7.583	8.261	8.607	8.875	9.864	1.0407	1.2008	1.7720	2.6007
PMP/4	7.936	1.0932	1.2800	1.3762	1.4610	1.5903	1.7405	1.8385	2.0994	2.2122	2.6735	3.8810	5.9800

PEAKSTON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
E40 7070 0	PORT CHICAGO N A D	60		024	01W	M	34.017	122.007	07
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	100	300	F YR			
2	1.454	1.99	2.35	3.44	5.41	14.34			
5	2.29	2.84	3.40	5.42	8.12	19.10			
10	2.62	3.51	4.13	6.49	9.67	22.27			
20	3.00	4.12	4.82	7.92	11.13	25.27			
25	3.15	4.31	5.04	7.44	11.50	26.21			
40	3.41	4.71	5.50	8.51	12.53	28.16			
50	3.53	4.90	5.72	8.82	12.97	29.07			
100	3.91	5.44	6.34	9.76	13.33	31.85			
200	4.27	6.06	7.03	10.73	13.60	34.59			
1000	5.11	7.39	8.52	12.89	14.67	40.78			
10000	6.26	11.62	13.93	18.93	22.86	49.60			
PMP	12.60	16.63	19.54	26.73	42.68	92.20			
MEAN	1.703	2.237	2.622	4.221	6.335	15.417			
CLOCK HR. COEF.	1.140	1.470	1.690	1.610	1.401	1.000			
CALCULATED SKEW	1.124	2.400	2.577	4.655	4.277	4.817			
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300			
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300			

KURTOSIS	5.723	12.502	12.644	2.642	1.479	2.991			
RECORD YEAR	26	26	26	26	26	26			
RECORD MAXIMUM	1983	1983	1983	1983	1984	1984			
NORMALIZED MAX	3.210	5.171	7.470	8.050	10.251	26.440			
CALC. COEF. VAR	2.420	3.479	3.759	6.130	1.647	2.286			
REGION. COEF. VAR	3.06	4.91	5.32	4.26	3.76	3.71			
USED COEF. VAR	4.63	4.30	4.30	4.63	4.39	4.32			
MEAN/A	1.105	1.448	1.701	2.738	4.104	1.0000			
RP10/A	1.170	1.275	1.276	4.212	6.271	1.4444			
RP25/A	2.044	2.794	3.270	5.085	7.513	1.6909			
RP50/A	2.292	3.378	3.717	5.723	8.615	1.8853			
RP100/A	2.826	3.557	4.137	6.367	9.204	2.0081			
RP1000/A	3.311	4.792	5.529	8.351	12.111	2.6452			
RP10000/A	4.061	6.004	6.889	10.313	14.830	3.2044			
PMP/A	7.784	11.785	12.672	19.286	29.530	5.9400			

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
E40 7414 0	HIGHWOOD	45				M	37.933	122.350	07
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	100	300	F YR			
2	2.24	2.80	3.26	5.43	8.31	20.96			
5	3.16	4.06	4.71	7.66	11.62	27.51			
10	3.77	4.94	5.71	9.18	13.83	32.55			
20	4.35	5.80	6.67	10.63	15.91	36.93			
25	4.53	6.07	6.98	11.09	16.57	38.30			
40	4.90	6.64	7.61	12.03	17.92	41.15			
50	5.08	6.90	7.91	12.48	18.35	42.68			
100	5.61	7.73	8.83	13.84	20.69	46.66			
200	6.14	8.54	9.73	15.18	22.39	50.54			
1000	7.33	10.41	11.80	18.22	26.70	59.60			
10000	8.99	13.04	14.76	22.40	32.71	72.20			
PMP	17.24	23.43	27.04	42.05	62.47	124.73			
MEAN	2.447	3.145	3.630	5.960	9.160	22.571			
CLOCK HR. COEF.	1.140	1.470	1.690	1.610	1.401	1.000			
CALCULATED SKEW	4.494	1.168	1.463	3.388	1.195	4.475			
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300			
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300			

KURTOSIS	4.162	4.494	5.085	3.022	2.401	2.652			
RECORD YEAR	23	23	23	23	23	23			
RECORD MAXIMUM	1970	1963	1963	1956	1951	1951			
NORMALIZED MAX	3.900	5.760	6.880	10.730	14.661	39.300			
CALC. COEF. VAR	1.444	2.409	2.663	2.236	1.601	2.147			
REGION. COEF. VAR	2.31	2.345	2.38	3.357	3.72	3.67			
USED COEF. VAR	4.03	4.30	4.30	4.03	3.93	3.32			
MEAN/A	1.084	1.396	1.611	2.649	4.021	1.0000			
RP10/A	1.172	1.213	1.235	4.076	6.137	1.4444			
RP25/A	2.009	2.694	3.077	4.920	7.351	1.6909			
RP50/A	2.241	3.164	3.511	5.537	8.235	1.8853			
RP100/A	2.492	3.429	3.918	6.141	9.096	2.0081			
RP1000/A	3.355	4.619	5.236	8.088	11.153	2.6452			
RP10000/A	3.992	5.748	6.524	9.979	14.514	3.2044			
PMP/A	7.051	10.399	12.002	19.662	29.772	5.9400			

PEAKSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATION
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. NSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	MM	LATITUDE	LONGITUDE	COUNTY CODE
E40 7-14 1	RICHMOND CHRP YARD	25				M	37.9-5	122-364	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS H-HOURS									
RETURN PERIOD IN YEARS	10	20	30	100	500	F YR			
2	2.37	3.20	3.50	5.63	8.15	20.96			
5	3.34	4.64	5.06	7.90	11.40	27.44			
10	3.99	5.65	6.14	9.54	13.57	32.52			
20	4.68	6.64	7.17	11.04	15.51	36.90			
25	4.79	6.94	7.50	11.51	16.25	38.27			
40	5.19	7.59	8.18	12.49	17.58	41.12			
50	5.37	7.90	8.50	12.95	18.21	42.45			
100	6.24	8.84	9.44	14.37	20.11	46.52			
400	8.40	9.77	10.45	16.76	21.87	50.51			
1000	7.76	11.91	12.67	18.92	25.22	54.55			
10000	4.52	14.92	15.79	23.35	32.09	72.14			
FMP	18.25	26.80	28.05	43.66	61.29	114.63			
MEAN	2.591	3.697	3.899	6.147	8.499	22.514			
CLOCK MM, COR.	1.140	1.700	1.800	1.610	1.910	1.000			
CALCULATED SKEW	2.700	1.174	1.270	4.954	4.734	4.804			
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300			
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300			
KURTOSIS	3.145	3.699	4.475	4.203	4.014	2.408			
RECORD YEAR	20	20	20	20	20	20			
RECORD MAXIMUM	1967	1967	1963	1956	1956	1958			
NORMALIZED MAX	3.950	6.374	7.400	12.430	17.040	36.920			
CALC. COEF. VAR	1.544	1.424	2.381	2.527	2.524	2.111			
REGN. COEF. VAR	4.130	4.01	3.01	3.96	3.65	3.63			
USED COEF. VAR	4.03	4.30	4.30	4.13	3.93	3.32			
MEAN/A	1.161	1.694	1.732	2.753	3.944	1.0000			
RP10/A	1.772	2.511	2.725	4.235	6.026	1.4444			
RP25/A	2.128	3.384	3.330	5.113	7.220	1.6999			
RP50/A	2.347	3.604	3.775	6.754	8.096	1.8883			
RP100/A	2.600	4.925	4.212	10.382	10.931	2.0001			
RP1000/A	3.449	5.284	5.530	8.405	11.638	2.6452			
RP10000/A	4.230	6.625	7.015	10.730	14.252	3.2044			
FMP/A	8.107	11.904	12.904	18.393	27.224	5.9800			

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. NSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	MM	LATITUDE	LONGITUDE	COUNTY CODE
E40 7-12 12	SAN PAUL PATROL HOUSE	335	24	014	014	M	37-9-5	122-217	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS H-HOURS									
RETURN PERIOD IN YEARS	10	20	30	100	500	F YR			
2	2.49	3.60	4.31	7.31	10.72	27.15			
5	4.18	5.30	6.23	10.32	14.99	36.16			
10	4.86	6.45	7.55	12.37	17.84	42.17			
20	5.61	7.57	8.83	14.32	20.53	47.84			
25	5.84	7.92	9.23	14.93	21.37	49.62			
40	6.33	8.66	10.07	16.20	24.12	53.31			
50	6.45	9.01	10.47	16.40	24.93	55.03			
100	7.25	10.09	11.64	18.63	26.44	60.31			
200	7.93	11.15	12.87	20.44	28.84	65.48			
1000	8.47	13.58	15.61	24.54	34.45	77.22			
10000	11.41	17.07	19.45	31.28	42.14	93.54			
FMP	22.26	31.58	35.77	50.62	80.58	174.46			
MEAN	3.159	4.104	4.802	8.037	11.087	29.191			
CLOCK MM, COR.	1.140	1.670	1.643	1.610	1.910	1.000			
CALCULATED SKEW	1.116	.962	1.237	5.510	4.349	4.444			
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300			
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300			
KURTOSIS	4.149	4.469	2.286	2.730	1.962	2.410			
RECORD YEAR	21	21	21	21	21	21			
RECORD MAXIMUM	1967	1967	1967	1956	1956	1958			
NORMALIZED MAX	5.120	7.450	7.680	15.140	19.450	47.050			
CALC. COEF. VAR	1.427	1.298	1.708	2.154	1.469	1.663			
REGN. COEF. VAR	3.722	3.955	3.351	4.410	3.911	3.344			
USED COEF. VAR	4.03	4.30	4.30	4.03	3.93	3.32			
MEAN/A	1.082	1.406	1.645	2.753	4.004	1.0000			
RP10/A	1.666	2.209	2.508	4.236	6.111	1.4444			
RP25/A	2.002	2.714	3.163	5.114	7.321	1.6999			
RP50/A	2.222	3.080	3.585	5.759	8.019	1.8883			
RP100/A	2.483	3.454	4.001	6.383	8.956	2.0001			
RP1000/A	3.244	4.653	5.347	8.407	11.801	2.6452			
RP10000/A	3.974	5.830	6.662	10.372	14.451	3.2044			
FMP/A	7.625	11.475	12.255	18.397	27.605	5.9800			

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEFENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SFC	TWP	RNG LOT	HWM	LATITUDE	LONGITUDE	COUNTY				
BSN ORDER SUR EAO 7472 14	SAN PABLO RES	357	370	12	01N	74W	M	37.941	122.262	07			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	7650
2	2.60	3.35	4.04	4.52	4.91	5.33	6.05	6.69	7.40	8.42	9.48	13.78	25.91
5	4.67	6.05	7.05	8.00	8.82	9.59	11.12	12.41	14.34	17.70	21.05	33.80	63.80
10	6.35	8.01	9.09	10.00	10.82	11.60	13.41	15.17	18.13	22.19	26.19	41.35	78.35
20	8.15	10.00	11.29	12.41	13.41	14.34	16.60	18.86	22.86	27.86	33.86	54.86	103.86
25	8.76	10.76	12.10	13.29	14.34	15.17	17.41	19.67	24.17	29.67	36.17	58.17	111.17
50	10.49	12.74	14.34	15.74	16.86	17.70	20.41	22.86	28.13	34.13	41.13	64.13	124.13
100	12.41	15.17	17.41	19.67	21.86	23.86	27.86	32.86	39.86	48.86	59.86	91.86	159.86
200	15.17	18.86	21.86	24.86	27.86	30.86	35.86	40.86	48.86	58.86	70.86	109.86	200.86
300	17.41	21.86	24.86	27.86	30.86	33.86	38.86	43.86	51.86	61.86	73.86	114.86	224.86
600	24.86	30.86	33.86	36.86	39.86	42.86	48.86	53.86	63.86	75.86	89.86	139.86	279.86
7650	39.86	48.86	53.86	58.86	63.86	68.86	78.86	88.86	108.86	128.86	158.86	248.86	488.86
MEAN	2.442	3.761	4.507	5.002	5.491	5.939	6.531	7.340	7.927	8.951	10.448	14.535	26.647
CLOCK HR. COR.	1.140	1.770	1.408	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.224	1.444	1.204	1.035	1.007	1.007	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500
SKEW USED	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500

MEAN	2.442	3.761	4.507	5.002	5.191	5.839	6.531	7.380	7.927	8.951	10.486	14.535	26.647
CLOCK HR. COR.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.220	1.444	2.034	1.535	1.077	1.197	1.017	0.936	0.945	0.963	1.115	0.805	0.416
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.000	2.000	2.000	2.000	2.000
SKEW USED	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.000	2.000	2.000	2.000	2.000
KURTOSIS	3.754	5.938	4.008	3.741	3.774	4.204	3.593	2.525	3.004	2.414	1.924	3.804	2.437
N	17	17	17	17	17	17	17	17	17	17	17	17	17
RECORD YEAR	1963	1961	1963	1963	1963	1959	1954	1950	1956	1956	1950	1956	1956
RECORD MAXIMUM	4.360	4.330	10.700	11.220	11.440	11.760	13.110	13.860	14.760	15.350	17.150	25.360	44.200
NORMALIZED MAX	1.654	2.679	3.170	2.200	2.280	2.185	2.311	2.146	2.188	1.883	1.752	1.205	2.019
CALC. COEF. VARI	0.332	0.444	0.447	0.486	0.492	0.464	0.436	0.403	0.394	0.386	0.363	0.354	0.332
REGION. COEF. VARI	0.430	0.430	0.430	0.430	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392
USED COEF. VARI	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399	0.393	0.394	0.392
MEAN/VA	1.066	1.411	1.691	1.077	1.212	1.217	1.251	1.277	1.2975	1.3359	1.4935	5.555	1.0000
HP02/VA	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219	0.219
HP03/VA	1.073	0.724	1.252	0.566	0.364	0.118	0.227	0.503	0.5389	0.005	0.757	0.738	1.6342
HP04/VA	0.213	0.398	0.687	0.425	0.289	0.428	0.484	0.567	0.5962	0.677	0.7748	1.0727	1.7672
HP05/VA	0.247	0.348	0.614	0.474	0.451	0.525	0.552	0.614	0.612	0.723	0.509	1.068	1.0917
HP1000/VA	1.316	0.717	0.548	0.922	0.233	0.618	1.747	1.7827	0.823	0.241	1.0721	1.245	2.7952
HP10000/VA	0.583	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
HP2/VA	0.751	1.0515	1.2001	1.1787	1.1787	1.5898	1.5123	1.513	2.013	2.3464	2.1132	3.7853	5.9600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO.	STATION NAME		ELEV	SFC	TWP	RNG LOT	HWM	LATITUDE	LONGITUDE	COUNTY			
BSN ORDER SUR EAO 9145 0	UPPER SAN LEANDRO RES		360	400	30	02S	02W	M	37.796	122.115	07		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	7650
2	2.72	2.96	3.37	4.00	4.53	5.01	5.61	6.14	6.81	7.52	8.27	11.78	22.78
5	3.27	4.24	4.88	6.04	6.93	7.74	9.13	10.00	11.78	13.78	15.78	24.78	47.78
10	3.99	5.27	5.92	7.74	10.00	11.78	15.78	18.78	22.78	27.78	33.78	51.78	97.78
20	4.50	6.12	6.92	9.01	10.00	11.78	15.78	18.78	22.78	27.78	33.78	51.78	97.78
25	4.69	6.41	7.23	9.23	10.00	11.78	15.78	18.78	22.78	27.78	33.78	51.78	97.78
40	5.08	7.01	7.99	10.00	11.78	13.07	15.78	18.78	22.78	27.78	33.78	51.78	97.78
50	5.26	7.29	8.20	10.57	11.78	13.07	15.78	18.78	22.78	27.78	33.78	51.78	97.78
100	5.82	8.16	9.15	11.72	13.07	14.34	16.86	19.34	22.86	27.86	33.86	51.86	97.86
200	6.36	9.02	10.09	12.00	13.07	14.34	16.86	19.34	22.86	27.86	33.86	51.86	97.86
300	6.59	9.49	10.23	12.44	13.07	14.34	16.86	19.34	22.86	27.86	33.86	51.86	97.86
600	7.42	10.77	11.24	13.65	14.34	15.61	18.13	19.67	22.86	27.86	33.86	51.86	97.86
7650	10.42	13.77	14.24	16.45	17.14	18.41	20.93	22.47	25.66	28.18	31.70	44.22	77.72
MEAN	2.535	3.322	3.763	5.057	7.115	10.132	11.78	13.78	15.78	17.78	19.78	27.78	47.78
CLOCK HR. COR.	1.140	1.770	1.040	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.320	1.311	1.366	1.712	1.803	1.803	1.800	1.800	1.800	1.800	1.800	1.800	1.800
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500
SKEW USED	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500
KURTOSIS	15.791	15.083	17.179	7.595	2.106	2.109	3.0	3.0	3.0	3.0	3.0	3.0	3.0
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	7.040	11.990	13.140	13.720	13.720	13.720	13.720	13.720	13.720	13.720	13.720	13.720	13.720
NORMALIZED SKEW	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313	3.313
CALC. COEF. VAR	.492	.492	.492	.493	.493	.493	.493	.493	.493	.493	.493	.493	.493
REGN. COEF. VAR	.403	.430	.430	.403	.403	.403	.403	.403	.403	.403	.403	.403	.403
USED COEF. VAR	.403	.430	.430	.403	.403	.403	.403	.403	.403	.403	.403	.403	.403
MEAN/A	1.1571	2.059	2.332	3.135	4.410	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
HP10/A	1.2419	3.236	3.670	4.624	6.731	1.4446	1.4446	1.4446	1.4446	1.4446	1.4446	1.4446	1.4446
HP20/A	1.2916	3.974	4.405	5.523	8.000	1.6990	1.6990	1.6990	1.6990	1.6990	1.6990	1.6990	1.6990
HP30/A	1.3260	4.520	5.084	6.553	9.932	1.8853	1.8853	1.8853	1.8853	1.8853	1.8853	1.8853	1.8853
HP100/A	1.3605	5.152	5.673	7.208	9.976	2.0661	2.0661	2.0661	2.0661	2.0661	2.0661	2.0661	2.0661
HP1000/A	1.4709	6.814	7.581	9.572	12.999	2.6452	2.6452	2.6452	2.6452	2.6452	2.6452	2.6452	2.6452
RP1000/A	1.5776	8.538	9.466	11.810	15.919	3.2044	3.2044	3.2044	3.2044	3.2044	3.2044	3.2044	3.2044
HP/A	1.1370	1.534	1.7376	2.2095	3.0469	5.9800	5.9800	5.9800	5.9800	5.9800	5.9800	5.9800	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG LOT	HHH	LATITUDE	LONGITUDE	COUNTY CODE
E40 9423 1	WALNUT CREEK P F5F		245	36	01N	02N	M	37.8N3	122.0N3	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)						
RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.20	2.89	3.35	5.15	7.65	18.48
5	3.19	4.18	4.85	7.29	11.01	24.61
10	3.69	5.09	5.88	8.74	13.10	28.70
25	4.76	6.47	6.88	10.11	15.18	32.57
50	4.64	6.25	7.10	10.55	15.73	33.78
100	4.60	6.14	7.04	11.45	16.46	36.70
200	4.98	7.11	8.15	11.87	17.50	37.66
500	5.60	7.98	9.00	13.16	19.42	41.05
1000	6.72	8.68	10.03	14.44	21.22	44.67
10000	7.19	11.72	12.15	17.38	25.10	52.58
100000	11.82	13.43	15.14	21.19	30.94	63.67
PMF	18.90	24.13	27.86	41.00	59.19	118.82
MEAN	2.394	3.239	3.739	5.678	8.345	19.870
CLOCK HR. COEF.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.011	1.407	1.049	0.919	0.643	0.353
REGIONAL SKEW	1.400	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	4.214	5.581	7.179	4.471	3.104	2.494
N	47	47	47	40	46	40
RECORD YEAR	1916	1903	1.963	1956	1956	1950
RECORD MAXIMUM	4.550	7.850	10.430	13.600	17.320	16.210
NORMALIZED MAX	2.360	3.193	3.698	3.200	2.957	2.388
CALC. COEF. VAR	.380	.446	.484	.414	.394	.365
REGION. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332
MEAN/A	.1217	.1630	.1882	.2857	.4321	1.0000
RP10/A	.1959	.2662	.2951	.4347	.6594	1.4444
RP25/A	.2293	.3146	.3018	.5318	.7780	1.6909
RP50/A	.2505	.3679	.4102	.6073	.8444	1.8843
RP100/A	.2771	.4305	.4577	.6625	.9774	2.0061
RP1000/A	.3618	.5395	.6117	.8725	1.2738	2.6452
RP10000/A	.4438	.6763	.7622	1.1705	1.7095	3.2044
PMF/A	.8554	1.2145	1.4020	2.0131	2.9791	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME		FLFV	SEC	TWP	RNG LOT	HHH	LATITUDE	LONGITUDE	COUNTY CODE
E40 9423 1	WALNUT CREEK PUMPING PLT		125	36	01N	02W	M	37.923	122.073	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)						
RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.31	3.01	3.49	5.18	7.62	18.87
5	3.25	4.36	5.05	7.32	10.66	25.14
10	3.88	5.32	6.13	8.77	12.68	29.31
25	4.47	6.24	7.16	10.16	14.54	33.26
50	4.68	6.53	7.49	11.59	16.14	36.50
100	5.05	7.14	8.17	11.50	16.43	37.06
200	5.23	7.43	8.49	11.92	17.01	38.26
500	5.78	8.31	9.47	13.22	18.79	41.82
1000	6.32	9.19	10.44	14.50	20.54	45.52
10000	7.55	11.19	12.66	17.41	24.47	53.68
10001	9.26	14.03	15.77	21.48	29.99	65.02
PMF	17.75	25.20	29.01	40.17	57.28	121.35
MEAN	2.514	3.362	3.893	5.772	8.305	20.292
CLOCK HR. COEF.	1.140	1.170	1.040	1.010	1.010	1.000
CALCULATED SKEW	1.023	1.693	1.084	1.008	0.629	0.364
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	5.326	6.447	7.107	4.301	2.747	2.098
N	35	35	35	35	35	35
RECORD YEAR	1916	1963	1963	1956	1956	1950
RECORD MAXIMUM	4.370	8.710	10.840	12.870	18.780	34.420
NORMALIZED MAX	2.404	3.224	3.447	2.867	2.580	2.061
CALC. COEF. VAR	.405	.488	.518	.438	.394	.338
REGION. COEF. VAR	.403	.430	.430	.403	.393	.332
USED COEF. VAR	.403	.430	.430	.403	.393	.332
MEAN/A	.1262	.1667	.1919	.2810	.4094	1.0000
RP10/A	.1912	.2619	.3019	.4324	.6249	1.4444
RP25/A	.2296	.3217	.3689	.5220	.7480	1.6909
RP50/A	.2578	.3859	.4182	.5874	.8385	1.8853
RP100/A	.2848	.4495	.4866	.6515	.9221	2.0061
RP1000/A	.3721	.5516	.6237	.8500	1.2065	2.6452
RP10000/A	.4564	.6412	.7771	1.0587	1.4778	3.2044
PMF/A	.8747	1.2418	1.4294	1.9778	2.8230	5.9800

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEFENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
RSN ORDER SUB E50 9426 0	WILNIT CREEK 2 ENF	245	36	01N	02W	N	37.883	122.033	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H=HOURS)

RETURN PERIOD IN YEARS	10	20	30	100	300	F YR
2	2.18	2.77	3.18	4.44	7.44	16.72
5	3.68	4.62	5.01	7.05	10.48	21.74
10	4.67	5.89	6.50	8.94	12.47	25.35
20	4.23	5.74	6.53	9.77	14.35	28.76
25	4.41	6.01	6.83	10.10	14.94	29.83
40	4.78	6.57	7.45	11.16	16.16	32.66
50	4.95	6.83	7.74	11.47	16.73	33.64
100	5.37	7.45	8.04	12.72	18.48	36.26
200	6.45	8.45	9.52	13.75	20.27	39.37
1000	7.15	11.30	11.54	16.75	24.08	46.42
10000	8.77	12.91	14.38	21.67	27.44	54.26
PMF	16.00	23.14	24.46	30.55	56.74	104.05
MEAN	2.345	3.113	3.551	5.485	8.170	17.550
CLOCK HR. COR.	1.15	1.17	1.00	1.01	1.01	1.00
CALCULATED SKEW	1.152	1.455	1.009	1.762	1.454	1.574
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	4.252	5.447	6.024	3.657	2.292	2.674
N	25	25	25	25	25	29
RECORD YEAR	1963	1963	1963	1956	1956	1958
RECORD MAXIMUM	7.170	7.170	9.300	11.500	14.600	32.110
NORMALIZED MAX	2.012	2.666	3.077	2.553	2.132	2.267
CALC. COEF. VAR	.482	.513	.532	.435	.401	.363
REGION. COEF. VAR	.403	.430	.430	.403	.394	.332
USED COEF. VAR	.403	.430	.430	.403	.394	.332
MEAN/A	1.350	1.774	2.024	3.325	4.956	1.0000
RP10/A	2.092	2.788	3.186	4.810	7.168	1.4444
RP25/A	2.514	3.424	3.891	5.807	8.513	1.6944
RP50/A	2.814	3.844	4.411	6.515	9.735	1.8843
RP100/A	3.117	4.354	4.922	7.244	10.331	2.0661
RP200/A	4.071	5.671	6.578	8.945	13.723	2.4452
RP1000/A	4.995	7.356	8.195	11.777	17.904	3.2044
PMF/A	9.574	14.216	15.076	24.2024	34.6101	54.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
RSN ORDER SUB E50 48 0	ALAMO CREEK	191	06	32	01S	01E	E	37.642	121.891
									43

MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H=HOURS)

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.76	2.27	2.64	2.93	3.24	3.43	3.90	4.24	4.48	5.43	6.54	9.36	17.14
5	2.44	3.24	3.82	4.20	4.63	4.89	5.50	5.94	6.93	7.54	9.04	12.91	22.36
10	2.97	4.01	4.64	5.10	5.54	5.86	6.53	7.05	8.14	8.95	10.60	15.07	25.37
20	3.02	4.71	5.42	6.00	6.43	6.77	7.44	8.04	9.25	10.04	12.01	17.63	28.01
25	3.56	4.93	5.67	6.14	6.71	7.04	7.78	8.35	9.59	10.41	12.45	17.63	28.01
40	3.88	5.39	6.18	6.68	7.24	7.66	7.92	8.98	10.24	11.17	13.34	18.85	30.42
50	4.00	5.60	6.42	6.93	7.54	7.94	8.67	9.27	10.62	11.52	13.76	19.41	31.15
100	4.42	6.27	7.17	7.71	8.36	8.78	9.54	10.16	11.59	12.57	15.01	21.12	33.35
200	4.83	6.93	7.90	8.47	9.15	9.43	10.38	11.00	12.54	13.59	16.22	22.76	35.43
1000	5.77	8.45	9.58	10.20	10.96	11.52	12.28	12.94	14.64	15.86	18.91	26.38	39.93
10000	7.08	11.59	11.94	12.53	13.44	14.14	14.89	15.54	17.50	18.95	22.57	31.27	45.85
PMF	15.87	19.02	21.95	25.75	29.97	27.26	34.10	32.27	37.24	40.28	47.87	66.22	105.42
MEAN	1.924	2.553	2.947	3.233	3.558	3.758	4.210	4.581	5.247	5.767	6.942	9.873	17.630
CLOCK HR. COR.	1.164	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.542	1.666	1.609	1.694	.972	.821	.763	.667	.521	.498	.761	.583	.298
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.900	.800	.500
KURTOSIS	6.521	6.841	6.726	4.863	4.786	4.100	4.069	4.275	2.821	2.678	2.952	2.350	2.447
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1951	1951	1958
RECORD MAXIMUM	4.000	5.700	7.050	7.900	8.300	8.340	9.930	10.320	10.570	10.840	13.470	18.710	30.050
NORMALIZED MAX	2.976	3.144	3.393	3.331	3.328	3.049	3.445	3.323	2.713	2.263	2.389	2.292	2.162
CALC. COEF. VAR	.362	.391	.411	.396	.401	.400	.394	.377	.364	.364	.394	.390	.327
REGION. COEF. VAR	.403	.430	.430	.423	.417	.410	.403	.402	.399	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.417	.410	.403	.402	.399	.399	.393	.394	.332
MEAN/A	1.093	1.448	1.672	1.834	2.016	2.132	2.388	2.598	3.004	3.271	3.939	5.800	1.0000
RP10/A	1.642	2.276	2.630	2.871	3.153	3.322	3.701	4.000	4.622	5.019	6.010	8.549	1.6393
RP25/A	2.021	2.795	3.214	3.485	3.885	4.005	4.411	4.733	5.542	5.986	7.042	9.908	1.6342
RP50/A	2.257	3.179	3.644	3.933	4.278	4.502	4.919	5.260	6.222	6.532	7.804	1.1012	1.7672
RP100/A	2.503	3.558	4.066	4.372	4.739	4.986	5.411	5.763	6.576	7.131	8.515	1.1979	1.8917
RP1000/A	3.274	4.792	5.434	5.787	6.218	6.537	6.964	7.342	8.304	8.999	1.0729	1.4955	2.2652
RP10000/A	4.016	6.005	6.770	7.161	7.640	8.034	8.444	8.835	9.924	1.0749	1.2804	1.7738	2.4007
PMF/A	7.697	11.768	12.954	14.371	15.731	15.965	17.676	18.304	21.121	22.950	27.152	34.696	54.9800

PEARSON TYPE III DISTRIBUTION USED

PHOSPHORUS MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. H&N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	H&N	LATITUDE	LONGITUDE	COUNTY			
E50 146 U	ALTAPONT	104	675	24	625	03F	L M	37.742	121.779	60			
MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H-HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	1650
2	1.45	1.67	1.89	2.08	2.25	2.37	2.66	2.94	3.52	3.82	4.62	6.92	12.46
5	1.60	2.04	2.74	2.99	3.22	3.37	3.76	4.11	4.91	5.30	6.38	9.54	16.26
10	2.27	2.94	3.32	3.60	3.80	4.04	4.68	5.05	5.78	6.23	7.46	11.14	19.45
20	2.62	3.45	3.88	4.19	4.47	4.68	5.11	5.23	6.54	7.07	8.48	12.58	20.37
25	2.73	3.62	4.06	4.37	4.66	4.88	5.31	5.74	6.79	7.33	8.74	13.03	20.95
40	2.95	3.95	4.43	4.75	5.05	5.29	5.61	6.18	7.29	7.86	9.42	13.93	22.12
50	3.14	4.11	4.60	4.92	5.22	5.48	5.80	6.30	7.51	8.09	9.72	14.35	22.65
100	3.48	4.60	5.14	5.44	5.80	6.07	6.52	6.94	8.20	8.85	10.61	15.61	24.25
200	3.70	4.90	5.46	5.83	6.35	6.65	7.09	7.50	8.87	9.56	11.46	16.82	26.76
1000	4.42	6.20	6.87	7.20	7.61	7.96	8.39	8.84	10.35	11.16	13.36	19.50	29.04
10000	4.42	7.77	8.35	8.98	9.37	9.78	10.17	10.71	12.37	13.33	15.96	23.11	34.36
PMP	10.14	13.96	15.74	17.40	18.83	19.83	21.57	22.19	26.33	28.34	33.80	50.42	76.55
MEAN	1.474	1.473	2.112	2.301	2.476	2.495	2.876	3.151	3.740	4.068	4.903	7.297	12.918
CLOCK HR. COEF.	1.140	1.175	1.348	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.996	1.799	1.636	1.261	1.162	1.131	1.763	1.677	1.766	1.814	1.132	1.857	2.666
REGIONAL SKEW	1.310	1.000	1.590	1.470	1.400	1.300	1.100	1.000	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	1.400	1.400	1.400	1.400	1.400
KURTOSIS	1.570	5.774	5.443	4.320	4.444	4.195	3.086	3.106	2.960	3.002	3.936	2.976	2.621
N	44	66	66	66	66	66	66	66	66	66	66	66	66
RECORD YEAR	1919	1919	1919	1919	1956	1956	1956	1956	1952	1951	1952	1956	1952
RECORD MAXIMUM	3.470	4.440	4.900	4.900	4.450	5.300	5.000	5.810	6.420	7.240	9.810	13.630	21.430
NORMALIZED MEAN	2.471	2.440	2.985	2.753	2.589	2.744	2.573	2.506	2.238	2.277	2.605	2.347	2.439
CALC. COEF. VAR	4.72	4.67	4.40	4.10	4.09	4.17	4.10	4.03	4.02	3.99	3.94	3.94	3.94
REGION. COEF. VAR	4.03	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.94
USED COEF. VAR	4.03	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.94
MEAN/A	1.150	1.061	1.048	1.173	1.127	1.205	1.224	1.258	1.292	1.316	1.325	1.569	1.000
NP10/A	1.177	1.297	1.502	1.610	1.610	1.748	1.748	1.765	1.945	1.967	2.537	1.860	1.439
NP25/A	1.217	1.621	1.668	1.611	1.633	1.805	1.845	1.848	1.994	1.975	2.685	1.863	1.632
NP50/A	1.304	1.600	1.552	1.510	1.505	1.687	1.687	1.687	1.945	1.945	2.685	1.863	1.632
NP75/A	1.328	1.598	1.607	1.629	1.625	1.736	1.684	1.651	1.937	1.901	2.670	1.877	1.691
NP100/A	1.344	1.636	1.556	1.566	1.537	1.620	1.594	1.605	1.877	1.878	1.821	1.521	1.265
NP1000/A	1.427	1.660	1.673	1.700	1.730	1.761	1.734	1.835	1.963	1.940	1.626	1.832	2.007
PMP/A	1.011	1.407	1.2276	1.3195	1.4463	1.4490	1.5994	1.7314	2.0544	2.2112	2.6372	3.9337	5.9600

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	HMM	LATITUDE	LONGITUDE	COUNTY			
E50 319 Z	ARROYO MUCHO	105	2700	34	955	14F G M		37.458	121.517	43			
MAXIMUM PRECIPITATION FOR INDICATED DURATION (1-DAYS H=HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.76	1.95	2.00	2.17	2.30	2.46	2.70	2.98	3.49	3.88	4.58	6.90	12.40
5	2.48	2.69	2.90	3.11	3.24	3.51	3.80	4.17	4.95	5.39	6.33	9.51	16.17
10	2.96	3.27	3.52	3.75	3.88	4.20	4.51	4.92	5.70	6.13	7.42	11.10	18.39
20	3.42	3.84	4.11	4.30	4.57	4.86	5.17	5.61	6.47	7.19	8.41	12.55	20.26
25	3.66	4.02	4.30	4.55	4.76	5.07	5.38	5.82	6.71	7.45	8.72	12.99	20.83
40	3.85	4.33	4.64	4.75	5.17	5.50	5.88	6.26	7.20	7.89	9.35	13.69	21.99
50	3.99	4.57	4.87	5.13	5.36	5.70	6.00	6.46	7.43	8.04	9.40	14.30	22.53
100	4.41	5.11	5.43	5.71	5.93	6.31	6.60	7.08	8.11	9.00	10.51	15.56	24.11
200	4.83	5.65	5.99	6.27	6.50	6.91	7.18	7.66	8.77	9.73	11.26	16.77	25.62
1000	5.77	6.89	7.26	7.55	7.78	8.27	8.44	9.02	10.24	11.35	13.25	19.44	28.68
10000	7.07	8.63	9.05	9.35	9.57	10.17	11.30	12.48	14.56	15.81	23.04	33.15	
PMP	13.56	14.50	16.05	17.58	18.44	19.57	20.82	22.49	26.05	28.83	33.53	50.26	76.23
MEAN	1.474	2.061	2.234	2.393	2.526	2.698	2.912	3.192	3.768	4.127	4.863	7.274	12.747
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.956	1.472	1.416	1.467	1.190	1.309	1.474	1.042	1.862	1.956	1.097	1.776	3.343
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	1.400	1.400	1.400	1.400	1.400
KURTOSIS	3.775	5.330	4.965	5.385	4.714	5.529	4.868	5.041	3.974	3.628	4.250	3.094	2.796
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1966	1951	1919	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.450	4.040	4.910	5.070	5.670	6.230	6.630	7.320	7.610	8.170	10.300	14.570	21.670
NORMALIZED MEAN	2.127	2.623	2.610	2.660	2.442	2.327	2.330	2.372	2.990	2.843	2.683	2.683	2.247
CALC. COEF. VAR	4.452	5.05	4.58	4.58	4.23	4.55	3.88	3.83	3.35	3.36	3.36	3.36	3.311
REGION. COEF. VAR	4.63	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.94
USED COEF. VAR	4.03	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.94
MEAN/A	1.150	1.062	1.153	1.187	1.192	1.218	1.225	1.250	1.297	1.328	1.315	1.506	1.000
NP10/A	1.232	1.265	1.258	1.249	1.207	1.288	1.351	1.387	1.447	1.447	1.582	1.811	1.439
NP25/A	1.257	1.315	1.315	1.307	1.272	1.352	1.420	1.457	1.526	1.526	1.661	1.868	1.439
NP50/A	1.312	1.354	1.380	1.402	1.402	1.470	1.506	1.507	1.587	1.644	1.750	1.922	1.762
NP75/A	1.463	1.411	1.423	1.424	1.465	1.495	1.514	1.555	1.634	1.708	1.826	1.926	1.817
NP100/A	1.452	1.403	1.397	1.392	1.410	1.440	1.463	1.477	1.536	1.596	1.693	1.829	2.052
NP1000/A	1.554	1.673	1.708	1.731	1.759	1.797	1.816	1.855	1.963	2.038	2.243	2.607	2.607
PMP/A	1.0634	1.2162	1.3058	1.3791	1.4468	1.5355	1.6334	1.7640	2.0430	2.2614	2.6302	3.9431	5.9600

PEARSON TYPE III DISTRIBUTION USED

PROGRAMME MAXIMUM PRECIPITATION ESTIMATE BASED ON 5 STANDARD DEVIATIONS
IF THE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TAP	RNG	LAT	LONG	COUNTY
E50 491 0	HEARLEY	249	015	03W	N	37+007	122+260	NO
MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS								
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100
2	7.24	2.00	1.26	1.00	0.94	0.90	0.84	0.80
5	3.21	0.66	0.41	0.36	0.32	0.30	0.28	0.27
10	2.84	0.95	0.72	0.63	0.57	0.54	0.50	0.49
20	0.42	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40
40	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40
50	0.37	0.40	0.40	0.40	0.40	0.40	0.40	0.40
100	0.31	0.37	0.40	0.40	0.40	0.40	0.40	0.40
200	0.25	0.35	0.40	0.40	0.40	0.40	0.40	0.40
1000	0.16	0.25	0.35	0.40	0.40	0.40	0.40	0.40
10000	0.16	0.25	0.35	0.40	0.40	0.40	0.40	0.40
PMF	17.55	21.45	27.07	31.21	34.52	36.18	37.92	40.25
MEAN	2.491	3.148	3.634	3.977	4.318	4.712	5.289	5.715
CLOCK HR. COEF.	1.150	1.170	1.180	1.180	1.180	1.180	1.180	1.180
CLOCK HR. COEF.	1.150	1.170	1.180	1.180	1.180	1.180	1.180	1.180
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
SKEW USED	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
KURTOSIS	3.663	3.854	3.907	3.934	3.951	3.966	3.975	3.980
RECORD YEAR	87	87	87	87	87	87	87	87
RECORD MAXIMUM	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
NORMALIZED MAX	2.404	2.404	2.404	2.404	2.404	2.404	2.404	2.404
CALC. COEF. VAR	0.377	0.368	0.368	0.368	0.368	0.368	0.368	0.368
REGION. COEF. VAR	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403
USED COEF. VAR	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TAP	RNG	LAT	LONG	COUNTY
E50 1281 0	CALABRAN RES	408	015	04	05S	11E	37+434	121+819
MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS								
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100
2	1.23	2.50	2.82	3.13	3.43	3.70	4.34	4.86
5	2.72	3.62	4.08	4.49	4.84	5.28	6.11	6.74
10	3.25	4.41	4.95	5.42	5.87	6.33	7.26	8.01
20	3.75	5.17	5.78	6.30	6.80	7.29	8.32	9.24
25	3.91	5.42	6.05	6.57	7.07	7.53	8.65	9.48
40	4.23	5.92	6.60	7.10	7.63	8.08	9.20	10.00
50	4.38	6.16	6.86	7.42	7.97	8.48	9.64	10.53
100	4.84	6.69	7.45	8.25	8.83	9.50	10.61	11.54
200	5.31	7.62	8.43	9.26	9.87	10.40	11.54	12.51
1000	6.33	9.29	10.23	11.02	11.88	12.45	13.65	14.70
10000	7.76	11.64	12.74	13.51	14.24	15.30	16.55	17.69
PMF	14.98	20.40	23.44	25.42	27.43	29.46	33.47	36.46
MEAN	2.112	2.408	3.144	3.460	3.758	4.061	4.481	5.201
CLOCK HR. COEF.	1.100	1.170	1.180	1.180	1.180	1.180	1.180	1.180
CLOCK HR. COEF.	1.100	1.170	1.180	1.180	1.180	1.180	1.180	1.180
REGIONAL SKEW	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
SKEW USED	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
KURTOSIS	6.240	4.630	4.729	4.315	3.202	2.937	2.240	2.814
RECORD YEAR	27	27	27	27	27	27	27	27
RECORD MAXIMUM	3.900	5.120	5.690	5.820	6.250	6.450	7.390	8.510
NORMALIZED MAX	2.474	2.275	2.406	2.304	2.273	2.098	1.971	1.709
CALC. COEF. VAR	0.362	0.363	0.325	0.295	0.242	0.297	0.303	0.301
REGION. COEF. VAR	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403
USED COEF. VAR	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403
MEAN/A	1.100	1.132	1.193	1.163	1.184	1.198	1.222	1.264
RP10/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
RP25/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
RP50/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
RP100/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
RP1000/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
RP10000/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383
PMF/A	1.154	1.170	1.230	1.272	1.287	1.304	1.344	1.383

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E50 3367 0	STATION NAME GLENKILDE RPTM	ELFV 172	SEC 2140	TWP 36	RNG LOT 085 4E P	RRM N	LATITUDE 37.307	LONGITUDE 121.480	COUNTY CODE 43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.16	2.75	3.09	3.35	3.62	3.86	4.30	4.68	5.43	6.08	7.01	10.21	17.29
5	2.96	3.94	4.47	4.91	5.17	5.48	6.06	6.54	7.56	8.34	9.69	14.07	22.55
10	3.53	4.85	5.42	5.91	6.21	6.56	7.20	7.71	8.88	9.79	11.35	16.44	25.59
20	4.27	5.69	6.33	6.79	7.14	7.50	8.25	8.60	10.09	11.11	12.67	18.57	28.26
25	4.24	5.65	6.30	6.75	7.10	7.45	8.20	8.55	9.94	10.96	12.52	18.42	28.06
40	4.61	6.01	6.72	7.16	7.50	7.84	8.74	9.02	11.22	12.35	14.30	20.55	30.48
50	4.76	6.17	6.87	7.31	7.65	8.00	8.94	9.24	11.57	12.74	14.74	21.17	31.43
100	5.26	6.78	7.48	7.94	8.28	8.62	9.68	10.01	12.64	13.91	16.09	23.03	33.64
200	5.76	7.38	8.08	8.54	8.88	9.22	10.78	11.14	13.67	15.04	17.38	24.82	35.76
1000	6.88	8.61	9.31	9.77	10.12	10.47	12.54	12.91	15.96	17.55	20.27	28.77	40.28
10000	8.43	10.79	11.49	11.95	12.30	12.65	15.68	16.07	19.08	20.97	24.19	34.10	46.25
PMF	10.16	12.94	13.64	14.10	14.45	14.80	17.84	18.23	21.28	23.17	26.39	37.39	50.34

MEAN	2.294	3.065	3.444	3.708	3.973	4.213	4.643	5.004	5.775	6.380	7.440	10.766	17.783
CLOCK HR. COM.	1.146	1.770	1.940	2.020	2.100	2.180	2.400	2.600	3.000	3.300	4.000	6.000	10.000
CALCULATED SKEW	1.455	1.850	2.060	2.250	2.400	2.550	2.850	3.100	3.600	4.000	4.800	7.200	12.000
REGIONAL SKEW	1.300	1.600	1.700	1.800	1.900	2.000	2.200	2.400	2.800	3.000	3.600	5.400	9.000
SKEW USED	1.300	1.600	1.700	1.800	1.900	2.000	2.200	2.400	2.800	3.000	3.600	5.400	9.000
KURTOSIS	5.488	7.230	8.299	9.000	9.599	10.237	11.200	12.350	14.150	15.850	18.730	27.440	42.900
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	1.310	1.810	2.060	2.250	2.400	2.550	2.850	3.100	3.600	4.000	4.800	7.200	12.000
NORMALIZED MAX	3.038	3.325	3.323	3.280	3.447	3.663	3.493	3.254	2.822	2.615	2.626	2.419	2.429
CALC. COEF. VAR	.400	.510	.493	.455	.422	.413	.410	.403	.403	.408	.394	.383	.344
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332

MEAN/A	.1296	.1735	.1937	.2065	.2234	.2369	.2611	.2816	.3248	.3588	.4184	.6054	1.0000
RP10/A	.1907	.2726	.3057	.3305	.3577	.3847	.4265	.4698	.5490	.6085	.7140	1.0000	1.0000
RP25/A	.2386	.3346	.3724	.3992	.4212	.4452	.4922	.5335	.6083	.6748	.7502	1.0000	1.0000
RP50/A	.2677	.3808	.4221	.4472	.4736	.5003	.5374	.5702	.6509	.7144	.8291	1.0000	1.0000
RP100/A	.2960	.4262	.4710	.4971	.5247	.5541	.5915	.6277	.7109	.7822	.9046	1.0000	1.0000
RP1000/A	.3067	.4571	.5041	.5305	.5580	.5864	.6264	.6596	.7599	.8291	1.0000	1.0000	1.0000
RP10000/A	.4743	.7193	.7843	.8143	.8465	.8828	.9232	.9578	1.0727	1.1700	1.3603	1.9177	2.6007
PMF/A	.9096	1.2923	1.4428	1.5318	1.6309	1.7187	1.8669	1.9842	2.2831	2.5063	2.8866	4.1835	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E50 4997 0	STATION NAME LIVERMORE		ELFV 86	SEC 545	TWP 20	RNG LOT 035	RRM 02E	M	LATITUDE 37.650	LONGITUDE 121.783	COUNTY CODE 09		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	3650	
2	1.52	1.93	2.16	2.34	2.53	2.72	3.04	3.32	3.89	4.31	5.12	7.48	13.75
5	2.15	2.79	3.12	3.37	3.62	3.88	4.28	4.65	5.41	5.99	7.07	10.31	17.93
10	2.56	3.40	3.79	4.08	4.34	4.65	5.04	5.48	6.36	7.03	8.29	12.04	20.35
20	2.98	3.99	4.43	4.72	5.02	5.37	5.89	6.25	7.22	7.99	9.40	13.60	22.46
25	3.08	4.18	4.63	4.92	5.24	5.60	6.05	6.48	7.49	8.28	9.74	14.08	23.10
40	3.33	4.57	5.05	5.38	5.66	6.08	6.17	6.98	8.03	8.88	10.44	15.06	24.39
50	3.45	4.75	5.25	5.56	5.89	6.30	6.75	7.21	8.28	9.16	10.76	15.51	24.98
100	3.92	5.32	5.85	6.18	6.52	6.97	7.42	7.90	9.05	10.00	11.74	16.87	26.74
200	4.17	5.68	6.15	6.49	6.79	7.15	7.64	8.08	9.26	9.78	10.81	12.69	18.18
1000	4.99	7.16	7.82	8.18	8.56	9.14	9.56	10.06	11.42	12.61	14.80	21.28	32.02
10000	6.11	8.97	9.75	10.12	10.52	11.24	11.59	12.11	13.65	15.07	17.66	24.98	36.77
PMF	11.72	16.12	17.93	18.49	19.27	21.63	23.43	25.08	29.05	32.03	37.45	54.50	84.54

MEAN	1.664	2.164	2.407	2.592	2.777	2.982	3.277	3.560	4.133	4.545	5.431	7.888	14.137
CLOCK HR. COM.	1.130	1.760	1.940	2.020	2.100	2.180	2.400	2.600	3.000	3.300	4.000	6.000	10.000
CALCULATED SKEW	1.310	1.810	2.060	2.250	2.400	2.550	2.850	3.100	3.600	4.000	4.800	7.200	12.000
REGIONAL SKEW	1.300	1.600	1.700	1.800	1.900	2.000	2.200	2.400	2.800	3.000	3.600	5.400	9.000
SKEW USED	1.300	1.600	1.700	1.800	1.900	2.000	2.200	2.400	2.800	3.000	3.600	5.400	9.000
KURTOSIS	5.400	5.839	6.294	6.918	7.287	7.615	8.008	8.494	9.598	10.498	12.400	18.180	28.410
RECORD YEAR	1919	1919	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911	1911
RECORD MAXIMUM	3.970	5.450	6.830	7.530	7.680	8.640	8.750	8.750	9.680	11.220	13.190	16.470	24.190
NORMALIZED MAX	2.891	3.174	3.774	4.074	4.324	4.332	3.885	3.347	3.318	3.514	3.597	3.402	2.331
CALC. COEF. VAR	.480	.478	.487	.466	.450	.438	.430	.411	.405	.412	.394	.394	.335
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1177	.1531	.1703	.1834	.1965	.2109	.2318	.2518	.2923	.3244	.3842	.5579	1.0000
RP10/A	.1812	.2406	.2679	.2870	.3069	.3287	.3593	.3878	.4497	.4976	.5864	.8517	1.4393
RP25/A	.2177	.2955	.3274	.3484	.3704	.3963	.4281	.4591	.5296	.5856	.6890	.9961	1.6342
RP50/A	.2441	.3381	.3711	.3932	.4165	.4454	.4775	.5098	.5859	.6477	.7614	1.0972	1.7672
RP100/A	.2603	.3760	.4181	.4371	.4614	.4912	.5252	.5595	.6397	.6971	.8307	1.1935	1.6932
RP1000/A	.3527	.5067	.5534	.5785	.6053	.6367	.6760	.7018	.8080	.8923	1.0467	1.4910	2.2652
RP10000/A	.4325	.6349	.6896	.7159	.7443	.7749	.8194	.8563	.9656	1.0658	1.2492	1.7673	2.6007
PMF/A	.8290	1.1406	1.2685	1.3467	1.4341	1.5301	1.6574	1.7740	2.0552	2.2656	2.6490	3.8554	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STATION DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR	STATION NAME	ELEV	SEC	TWP	RNG LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE				
E50 5933 0	MOUNT HAMILTON	4206		07S	13E	M	37.333	121.650	43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.45	3.19	3.71	4.10	4.52	4.90	5.50	6.10	6.99	7.71	9.25	13.48	25.99
5	3.45	4.43	5.36	5.88	6.46	6.98	7.76	8.53	9.72	10.71	12.74	18.59	33.90
10	4.12	5.64	6.51	7.49	7.75	8.37	9.21	10.06	11.43	12.57	14.99	21.71	38.47
20	4.75	6.61	7.61	8.24	9.37	9.49	10.55	11.48	12.98	14.27	16.99	24.53	42.48
25	4.95	6.92	7.95	8.60	9.35	10.10	10.97	11.91	13.45	14.80	17.61	25.39	43.68
40	5.36	7.57	8.68	9.36	10.14	10.95	11.18	12.81	14.43	15.87	18.88	27.15	46.12
50	5.55	7.87	9.02	9.71	10.51	11.35	12.24	13.24	14.89	16.36	19.46	27.97	47.24
100	6.14	8.81	10.06	10.79	11.64	12.57	13.44	14.48	16.26	17.67	21.23	30.42	50.57
200	6.71	9.74	11.09	11.86	12.76	13.76	14.65	15.72	17.58	19.32	22.95	32.79	53.72
1000	8.02	11.87	13.45	14.28	15.28	16.47	17.32	18.47	20.53	22.54	26.76	38.01	60.55
10000	9.83	14.87	16.75	17.68	18.78	20.25	21.00	22.22	24.53	26.93	31.93	45.05	69.52
PMP	18.84	26.72	30.82	33.25	36.19	38.98	42.47	46.03	52.22	57.24	67.71	98.28	159.85
MEAN	2.675	3.586	4.136	4.527	4.958	5.372	5.940	6.534	7.428	8.195	9.820	14.223	26.731
CLOCK MR. CUR.	1.140	1.078	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.529	2.428	2.367	2.325	2.292	2.275	2.259	2.245	2.222	2.217	2.183	2.124	2.004
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KUNTOIS	11.511	10.998	14.651	15.687	15.764	21.366	26.632	29.255	25.515	20.678	14.728	5.250	4.081
N	87	87	87	87	85	87	88	88	88	89	89	89	92
RECORD YEAR	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1884
RECORD MAXIMUM	9.050	12.190	16.870	19.220	21.060	24.740	30.090	33.32	33.850	34.370	35.740	36.060	56.090
NORMALIZED MAX	4.196	4.341	5.364	5.620	5.658	6.259	6.766	6.946	6.705	6.336	5.744	3.829	3.697
CALC. COEF. VAR	.568	.553	.574	.577	.574	.606	.601	.590	.531	.504	.459	.401	.317
REGN. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	1.001	1.182	1.1547	1.1694	1.1855	1.2010	1.2222	1.2444	1.2779	1.3065	1.3674	1.5321	1.0000
RP10/A	1.541	2.108	2.435	2.651	2.899	3.132	3.444	3.765	4.274	4.704	5.567	8.122	1.4393
RP25/A	1.945	2.569	2.975	3.218	3.497	3.777	4.104	4.456	5.033	5.535	6.588	9.949	1.6342
RP50/A	2.076	2.945	3.373	3.632	3.932	4.245	4.577	4.948	5.569	6.122	7.280	1.0463	1.7672
RP100/A	2.295	3.299	3.763	4.037	4.356	4.701	5.034	5.422	6.082	6.663	7.943	1.1381	1.8917
RP1000/A	2.999	4.440	5.030	5.344	5.715	6.163	6.680	6.908	7.680	8.433	1.0009	1.4219	2.2652
RP10000/A	3.767	5.563	6.267	6.613	7.027	7.574	7.857	8.312	9.178	10.074	1.1945	1.6853	2.6007
PMP/A	7.049	9.994	11.528	12.440	13.539	14.581	15.889	17.220	19.534	21.415	25.330	3.6766	5.9800

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR	STATION NAME	ELEV	SEC	TWP	RNG LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE				
E50 7526 0	ROCKY RIDGE	111	1250	04	04S	N2E M	37.601	121.750	43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.65	2.08	2.38	2.59	2.79	2.96	3.25	3.63	4.39	4.77	5.72	8.40	15.36
5	2.33	3.01	3.44	3.72	3.98	4.21	4.58	5.07	6.11	6.62	7.91	11.59	26.03
10	2.74	3.66	4.17	4.48	4.78	5.05	5.41	5.98	7.18	7.78	9.27	13.53	22.73
20	3.21	4.30	4.88	5.21	5.53	5.85	6.23	6.82	8.10	8.83	10.51	15.29	25.10
25	3.34	4.51	5.10	5.44	5.77	6.09	6.47	7.08	8.46	9.15	10.89	15.83	25.81
40	3.62	4.92	5.57	5.91	6.25	6.61	6.96	7.62	9.07	9.81	11.67	16.93	27.25
50	3.75	5.12	5.78	6.14	6.48	6.85	7.22	7.88	9.38	10.12	12.03	17.43	27.91
60	4.15	5.73	6.45	6.82	7.18	7.58	7.94	8.62	10.22	11.05	13.13	18.96	29.88
200	4.53	6.33	7.11	7.50	7.87	8.31	8.64	9.35	11.06	11.95	14.19	20.44	31.74
1000	5.42	7.72	8.63	9.03	9.42	9.94	10.22	10.99	12.91	13.94	16.58	23.69	35.78
10000	6.74	9.67	10.75	11.17	11.59	12.22	12.40	13.21	15.43	16.66	19.75	28.08	41.08
PMP	12.73	17.37	19.77	21.02	22.33	23.52	25.07	27.37	32.83	35.41	41.87	61.26	94.45
MEAN	1.487	2.332	2.654	2.862	3.058	3.243	3.506	3.885	4.670	5.069	6.073	8.865	15.795
CLOCK HR. CUR.	1.140	1.078	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.087	1.453	1.261	1.092	1.052	1.028	1.011	1.009	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000	1.000	1.000	1.000
KUNTOIS	7.903	5.253	4.446	3.865	3.614	3.200	2.862	3.466	2.916	3.360	4.157	3.162	3.152
RECORD YEAR	45	45	45	45	45	45	45	45	45	45	45	45	44
RECORD MAXIMUM	1.919	1.919	1.938	1.938	1.952	1.952	1.952	1.952	1.952	1.952	1.952	1.952	1.952
NORMALIZED MAX	4.900	5.000	5.050	5.050	5.070	5.070	5.070	5.070	5.070	5.070	5.070	5.070	5.070
CALC. COEF. VAR	2.726	2.823	2.659	2.524	2.655	2.510	2.213	2.636	2.332	2.370	2.112	2.557	2.383
REGN. COEF. VAR	.445	.408	.408	.408	.408	.408	.408	.408	.408	.408	.408	.408	.408
USED COEF. VAR	.403	.430	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394
MEAN/A	1.144	1.177	1.1680	1.1812	1.1936	1.2053	1.2220	1.2459	1.2957	1.3209	1.3845	1.5613	1.0000
RP10/A	1.772	2.320	2.643	2.836	3.025	3.199	3.440	3.788	4.548	4.924	5.868	8.568	1.4393
RP25/A	2.116	2.850	3.230	3.442	3.651	3.849	4.108	4.436	5.259	5.644	6.695	9.949	1.6342
RP50/A	2.374	3.241	3.625	3.885	4.151	4.427	4.712	4.974	5.926	6.408	7.619	1.0388	1.7672
RP100/A	2.625	3.628	4.086	4.319	4.548	4.802	5.029	5.455	6.472	6.996	8.313	1.2006	1.8917
RP1000/A	3.429	4.887	5.461	5.717	5.966	6.295	6.673	6.951	8.172	8.829	1.0475	1.4999	2.2652
RP10000/A	4.266	6.123	6.804	7.074	7.336	7.737	7.968	8.406	10.546	11.501	1.7779	2.6007	
PMP/A	8.061	11.600	12.917	13.308	14.135	14.894	15.870	17.327	20.786	22.418	26.510	3.8785	5.9800

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

BECAUSE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	LEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUB E50 R7H5 30	TASSAJARA WOOD RANCH	578				H	37.803	121.941	07

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	100	300	F Y6
2	2.14	2.72	3.09	4.14	7.41	18.14
5	3.02	4.74	4.88	7.23	12.38	24.14
10	3.61	4.73	4.43	6.59	12.33	28.17
20	4.16	4.63	4.35	5.86	12.19	31.44
40	4.33	5.67	4.64	5.44	12.77	33.15
60	4.65	6.44	7.24	11.39	15.97	45.41
80	4.86	6.70	7.52	11.11	15.54	46.77
100	4.37	7.50	4.39	13.12	10.27	40.29
1000	5.47	8.29	4.25	14.36	14.46	43.75
10000	7.92	1.10	11.22	17.45	23.60	51.58
100000	8.61	1.65	13.98	23.28	29.15	62.49
RMP	16.44	22.73	25.71	34.80	55.69	116.62
MEAN	2.341	3.051	3.451	5.644	8.070	19.501
CLOCK HR. CON.	1.140	1.170	1.140	1.010	1.010	1.000
CALCULATED SKEW	1.447	1.141	1.313	0.028	0.018	0.545
REGIONAL SKEW	1.380	1.400	1.500	1.400	1.300	1.300
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300
KURTOSIS	5.004	4.293	5.473	1.677	1.051	2.645
N	21	21	21	21	21	21
RECORD YEAR	1963	1963	1963	1955	1956	1968
RECORD MAXIMUM	4.240	6.150	7.430	7.710	12.440	33.430
NORMALIZED MAX	1.184	2.329	2.698	1.251	1.302	2.497
CALC. COEF. VAR	4.004	4.437	4.427	0.354	0.363	0.50
REGION. COEF. VAR	4.03	4.30	4.30	4.03	4.03	4.32
USED COEF. VAR	4.03	4.30	4.30	4.03	4.03	4.32
MEAN/A	1.200	1.165	1.170	2.847	4.141	1.000
RP10/A	1.144	2.059	2.784	4.457	7.321	1.444
RP25/A	2.220	3.320	4.481	7.573	11.409	
RP50/A	2.640	4.035	4.857	6.636	8.441	1.8853
RP100/A	2.754	3.844	4.304	6.716	9.160	2.0861
RP1000/A	3.554	5.178	5.752	6.845	11.620	2.5452
RP10000/A	4.412	6.488	7.167	11.013	14.444	3.2044
RMP/A	4.450	11.455	1.1183	21.469	24.8558	5.9000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	LEV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
BSN ORDER SUB E60 121 0	ALMA COLLIERE	203	700			H	37.110	121.995	43

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	100	150	200	300	600	3650
2	4.14	5.30	6.16	6.81	7.41	7.91	8.75	9.46	10.89	12.10	14.16	20.07	33.97
5	5.47	7.67	8.91	9.77	10.56	11.28	12.34	13.23	15.16	16.40	19.58	27.67	44.30
10	7.06	9.34	10.61	11.78	12.64	13.52	14.65	15.61	17.82	19.72	22.95	32.31	50.27
20	8.08	11.76	12.63	13.69	14.67	15.64	16.74	17.81	20.24	22.39	26.02	36.51	55.51
25	8.41	11.47	13.21	14.30	15.32	16.30	17.45	18.47	20.94	23.21	26.46	37.79	57.08
40	9.11	12.55	14.41	15.45	16.62	17.68	17.74	19.67	22.51	24.94	28.90	40.42	60.27
50	9.44	13.05	14.47	16.14	17.22	18.32	19.46	20.51	23.21	25.67	29.77	41.63	61.73
100	10.43	14.61	16.71	17.94	19.08	20.29	21.41	22.44	25.35	28.62	32.51	45.28	66.07
200	11.41	16.15	18.42	19.71	20.90	22.22	23.30	24.34	27.42	30.30	35.13	48.80	70.19
1000	11.63	19.68	22.33	23.74	25.03	26.60	27.56	28.64	32.01	35.36	40.96	56.57	79.12
10000	16.72	24.65	27.82	29.38	30.78	32.70	33.41	34.45	38.25	42.24	48.88	67.05	90.44
100000	32.54	44.29	51.17	56.27	54.31	62.94	67.57	71.39	61.42	89.79	103.66	146.27	206.88
RMP													
MEAN	4.544	5.545	6.869	7.425	8.124	8.674	9.450	10.133	11.542	12.855	15.035	21.169	34.929
CLOCK HR. CON.	1.144	1.170	1.140	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.144	1.257	1.342	0.853	0.553	0.553	1.238	1.117	0.880	0.843	0.843	0.517	
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.900	0.900	0.800	0.500
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.900	0.900	0.800	0.500
KURTOSIS	3.848	5.196	5.050	3.443	4.224	4.375	6.655	7.341	5.194	4.552	4.125	2.996	3.168
N	54	55	55	55	55	55	55	55	55	55	55	55	55
RECORD YEAR	1965	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1938
RECORD MAXIMUM	8.100	14.116	16.340	14.510	21.400	27.420	28.29	30.049	31.400	34.290	41.810	64.750	
NORMALIZED MAX	1.467	2.465	3.142	4.732	3.600	3.018	4.073	4.141	3.613	3.430	3.229	2.461	2.504
CALC. COEF. VAR	3.97	4.54	4.41	4.37	4.71	4.80	4.77	4.34	4.41	4.21	3.97	3.96	3.41
REGION. COEF. VAR	4.03	4.30	4.30	4.23	4.20	4.17	4.10	4.03	4.02	3.99	3.93	3.94	3.32
USED COEF. VAR	4.03	4.30	4.30	4.23	4.20	4.17	4.10	4.04	4.02	3.99	3.93	3.94	3.32
MEAN/A	1.1302	1.1702	1.1967	1.2154	1.2326	1.2494	1.2794	1.2901	1.3316	1.3680	1.4304	1.6060	1.0000
RP10/A	1.0058	1.0945	1.1372	1.1564	1.1756	1.1948	1.2140	1.2332	1.2524	1.2716	1.2908	1.3100	1.3292
RP25/A	1.0408	1.1305	1.1731	1.1923	1.2115	1.2307	1.2499	1.2691	1.2883	1.3075	1.3267	1.3459	1.3651
RP50/A	1.0758	1.1655	1.2081	1.2273	1.2465	1.2657	1.2849	1.3041	1.3233	1.3425	1.3617	1.3809	1.4001
RP100/A	1.0908	1.1805	1.2231	1.2423	1.2615	1.2807	1.2999	1.3191	1.3383	1.3575	1.3767	1.3959	1.4151
RP1000/A	1.1058	1.1955	1.2381	1.2573	1.2765	1.2957	1.3149	1.3341	1.3533	1.3725	1.3917	1.4109	1.4301
RP10000/A	1.1208	1.2105	1.2531	1.2723	1.2915	1.3107	1.3299	1.3491	1.3683	1.3875	1.4067	1.4259	1.4451
RMP/A	1.1358	1.2255	1.2681	1.2873	1.3065	1.3257	1.3449	1.3641	1.3833	1.4025	1.4217	1.4409	1.4601

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TYP	RNG	LOT	HWN	LATITUDE	LONGITUDE	COUNTY
85N DNRHS SUB										
E60 4916 0	LEIGHT ANDERSON DAM SFC	700	17	0WS	03F	K	M	37.159	121.630	43
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.447	2.499	2.536	2.560	2.579	2.594	2.607	2.619	2.629	2.638
5	2.601	2.653	2.691	2.717	2.739	2.757	2.773	2.787	2.799	2.810
10	2.707	2.759	2.797	2.823	2.845	2.863	2.879	2.893	2.905	2.916
20	2.849	2.899	2.937	2.963	2.985	3.003	3.020	3.035	3.048	3.060
25	2.899	2.949	2.987	3.013	3.035	3.053	3.070	3.085	3.098	3.110
40	2.999	3.049	3.087	3.113	3.135	3.153	3.170	3.185	3.198	3.210
50	3.049	3.099	3.137	3.163	3.185	3.203	3.220	3.235	3.248	3.260
100	3.199	3.249	3.287	3.313	3.335	3.353	3.370	3.385	3.398	3.410
200	3.349	3.399	3.437	3.463	3.485	3.503	3.520	3.535	3.548	3.560
1000	3.799	3.849	3.887	3.913	3.935	3.953	3.970	3.985	3.998	4.010
10000	4.799	4.849	4.887	4.913	4.935	4.953	4.970	4.985	4.998	5.010
PMF	14.61	25.00	27.76	29.63	30.64	31.34	31.80	32.00	32.10	32.20

MEAN	2.447	2.499	2.536	2.560	2.579	2.594	2.607	2.619	2.629	2.638
CLOCK HR. COR.	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
CALCULATED SKEW	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
REGIONAL SKEW	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
SKEW USED	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
KURTOSIS	7.183	8.110	7.028	7.189	7.122	7.037	7.104	7.157	7.201	7.237
HFCORU YEAR	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963
HECROW MAXIMUM	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
NORMALIZED MAX	2.447	2.499	2.536	2.560	2.579	2.594	2.607	2.619	2.629	2.638
CALC. COEF. VAR	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
REGION. COEF. VAR	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
USED COEF. VAR	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479

MEAN/A	1.355	1.720	1.911	2.041	2.201	2.349	2.479	2.592	2.695	2.787
HP10/A	2.086	2.705	3.006	3.194	3.354	3.487	3.601	3.698	3.784	3.860
HP25/A	2.254	2.921	3.250	3.450	3.600	3.720	3.810	3.880	3.940	3.990
HP50/A	2.411	3.177	3.536	3.756	3.930	4.060	4.160	4.240	4.300	4.350
HP100/A	2.569	3.427	3.816	4.056	4.230	4.360	4.450	4.520	4.570	4.610
HP200/A	2.726	3.684	4.103	4.363	4.530	4.660	4.750	4.810	4.850	4.880
HP1000/A	3.284	4.342	4.801	5.081	5.250	5.380	5.470	5.530	5.570	5.600
PMF/A	29.54	51.47	57.36	61.49	64.00	65.80	67.10	68.00	68.50	68.80

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TYP	RNG	LOT	HWN	LATITUDE	LONGITUDE	COUNTY
85N DNRHS SUB										
E60 4922 0	LEAINGTON RES	555	700	0WS	01W	J	M	37.177	121.988	43
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D-DAYS) H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	4.271	4.552	4.747	4.900	5.040	5.160	5.270	5.370	5.460	5.540
5	4.903	5.194	5.389	5.540	5.670	5.780	5.880	5.970	6.050	6.120
10	5.200	5.491	5.686	5.837	5.960	6.070	6.160	6.240	6.310	6.370
20	5.816	6.107	6.302	6.453	6.570	6.680	6.770	6.850	6.920	6.980
25	5.950	6.241	6.436	6.587	6.700	6.810	6.900	6.980	7.050	7.110
40	6.211	6.502	6.697	6.848	6.960	7.070	7.160	7.240	7.310	7.370
50	6.345	6.636	6.831	6.982	7.090	7.200	7.290	7.370	7.440	7.500
100	6.550	6.841	7.036	7.187	7.290	7.400	7.490	7.570	7.640	7.700
200	6.750	7.041	7.236	7.387	7.490	7.600	7.690	7.770	7.840	7.900
1000	7.170	7.461	7.656	7.807	7.910	8.020	8.110	8.190	8.260	8.320
10000	7.590	7.881	8.076	8.227	8.330	8.440	8.530	8.610	8.680	8.740
PMF	39.49	66.14	73.74	78.87	82.44	84.70	86.10	87.10	87.80	88.30

MEAN	4.597	6.193	7.213	7.742	8.563	9.251	10.142	11.093	11.965	12.787
CLOCK HR. COR.	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
CALCULATED SKEW	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
REGIONAL SKEW	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
SKEW USED	1.140	1.170	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260
KURTOSIS	3.446	5.559	5.657	4.353	5.208	6.044	5.362	5.832	6.498	7.370
HFCORU YEAR	22	22	22	22	22	22	22	22	22	22
HECROW MAXIMUM	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963
NORMALIZED MAX	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963	1.963
CALC. COEF. VAR	0.381	0.37	0.42	0.42	0.42	0.40	0.40	0.40	0.39	0.38
REGION. COEF. VAR	0.403	0.39	0.40	0.42	0.40	0.41	0.40	0.40	0.39	0.38
USED COEF. VAR	0.403	0.39	0.40	0.42	0.40	0.41	0.40	0.40	0.39	0.38

MEAN/A	1.171	1.712	1.994	2.140	2.367	2.557	2.803	3.052	3.307	3.498
HP10/A	1.957	2.690	3.137	3.350	3.498	3.685	3.845	4.001	4.158	4.240
HP25/A	2.251	3.004	3.354	3.566	3.680	3.800	3.910	4.000	4.080	4.140
HP50/A	2.636	3.378	3.646	3.858	3.980	4.100	4.190	4.270	4.340	4.390
HP100/A	2.915	3.606	3.849	4.010	4.100	4.190	4.270	4.340	4.390	4.430
HP200/A	3.000	3.686	3.910	4.070	4.160	4.250	4.330	4.400	4.450	4.480
HP1000/A	3.671	4.299	4.500	4.650	4.740	4.830	4.900	4.960	5.010	5.040
PMF/A	8.953	12.754	14.854	15.719	17.279	18.553	20.045	21.505	23.251	24.274

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 660 5123 1	STATION NAME LOS GATOS RES SJW	ELEV 215	SEC 21	TWP 08S	RNG LOT 01N P	HWM M	LATITUDE 37.217	LONGITUDE 121.950	COUNTY CODE 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 3-DAYS 4-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	3.37	4.51	5.14	5.31	5.40	5.43	7.22	7.77	8.80	9.79
5	4.75	6.51	7.43	7.62	7.69	7.70	10.18	10.88	12.34	13.54
10	5.47	7.49	8.32	8.45	8.54	8.54	11.18	12.00	14.44	15.94
20	6.54	9.31	10.56	11.21	11.47	12.00	13.86	14.61	16.46	18.40
25	6.81	9.74	11.02	11.64	12.44	13.44	14.40	15.17	17.07	18.76
40	7.18	11.65	12.02	12.53	13.54	14.58	14.67	16.31	18.31	20.12
70	7.64	11.64	12.49	13.45	14.74	15.11	16.84	18.89	20.75	24.00
100	8.44	12.40	13.94	14.23	15.45	16.73	17.47	18.44	20.63	22.45
200	9.24	13.71	15.37	15.44	17.44	19.33	19.23	20.02	22.31	24.49
1000	11.64	18.76	14.63	16.36	20.44	21.04	22.74	23.51	26.04	28.59
10000	13.54	21.93	23.21	22.37	25.64	26.54	28.24	31.12	34.14	39.47
PMF	25.95	37.60	42.60	40.79	46.33	51.40	56.16	60.24	72.58	83.71
MEAN	3.483	5.147	5.732	5.821	5.821	7.154	7.794	8.319	9.423	10.390
CLOCK HR. COM.	1.140	1.470	1.044	1.020	1.011	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	.919	1.427	1.354	1.304	1.133	2.115	2.137	1.984	1.501	1.324
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.800
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.800
KURTOSIS	4.024	5.825	5.598	43.753	8.422	11.520	11.308	1.402	7.287	6.080
N	64	5	5	5	5	5	5	5	5	5
RECORD YEAR	1963	1964	1963	1963	1954	1954	1954	1954	1956	1956
RECORD MAXIMUM	6.880	11.080	13.060	40.440	14.930	22.030	23.750	25.400	26.620	29.050
NORMALIZED MAX	2.123	3.117	3.222	6.743	4.410	4.764	4.834	4.754	4.204	3.415
CALC. COEF. VAR	.443	.430	.438	.454	.421	.438	.424	.411	.390	.381
REGION. COEF. VAR	.403	.430	.430	.332	.421	.417	.410	.403	.402	.393
USED COEF. VAR	.403	.430	.430	.332	.421	.417	.410	.403	.402	.393
MEAN/Y	1.129	1.110	1.063	1.255	1.283	1.256	1.207	1.204	1.391	1.379
RP10/Y	1.204	1.255	1.266	1.344	1.373	1.402	1.430	1.461	1.516	1.577
RP25/Y	1.242	1.350	1.367	1.418	1.443	1.444	1.514	1.545	1.613	1.671
RP50/Y	1.264	1.368	1.386	1.460	1.502	1.547	1.571	1.601	1.677	1.746
RP100/Y	1.304	1.463	1.517	1.521	1.544	1.622	1.635	1.641	1.812	1.947
RP1000/Y	1.373	1.612	1.675	1.667	1.742	1.784	1.815	1.841	1.973	1.026
RP10000/Y	1.472	1.753	1.855	1.951	1.924	1.973	1.924	1.0181	1.1201	1.2227
PMF/Y	1.934	1.3533	1.3369	1.4474	1.7345	1.6679	2.0068	2.1092	2.3504	2.6112

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. H5N ORDER SUB E60 5048 0	STATION NAME MAIN STA SJW	ELEV 100	SEC 07	TWP 07S	RNG LOT 01E R	HWM M	LATITUDE 37.333	LONGITUDE 121.083	COUNTY CODE 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 3-DAYS 4-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.44	1.05	2.07	2.30	2.47	2.66	3.00	3.27	3.88	4.98
5	2.03	2.04	2.99	3.07	3.53	3.76	4.22	4.57	5.40	5.94
10	2.42	3.27	3.62	3.54	4.23	4.55	5.02	5.44	6.34	6.97
20	2.74	3.83	4.24	4.09	4.40	5.26	5.75	6.15	7.21	7.92
25	2.91	4.01	4.43	4.25	5.11	5.44	5.98	6.39	7.47	8.21
40	3.15	4.39	4.83	4.57	5.54	5.96	6.09	6.87	8.01	8.80
50	3.26	4.56	5.02	4.73	5.74	6.14	6.67	7.09	8.26	9.09
100	3.61	5.11	5.60	5.14	6.36	6.83	7.33	7.77	9.02	9.61
200	3.45	5.64	6.17	5.05	6.47	7.44	7.94	8.43	9.76	10.71
1000	4.77	6.68	7.49	6.79	6.34	8.95	9.44	9.91	11.39	12.50
10000	5.78	6.62	9.33	8.17	10.20	11.00	11.44	11.42	13.61	14.94
PMF	11.09	15.44	17.16	14.89	19.77	21.17	23.14	24.69	28.47	31.75
MEAN	1.574	2.178	2.303	2.440	2.730	2.914	3.236	3.504	4.121	4.546
CLOCK HR. COM.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.596	1.089	1.429	1.152	1.444	1.005	.983	.914	.494	.526
NORMALIZED MAX	1.360	1.400	1.300	1.140	1.300	1.300	1.100	1.000	.900	.800
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	.900	.800
KURTOSIS	5.772	6.757	6.243	5.228	4.430	4.430	4.420	4.151	3.125	3.024
N	60	60	60	60	60	60	60	60	60	60
RECORD YEAR	1919	1919	1919	1919	1919	1954	1954	1954	1956	1956
RECORD MAXIMUM	3.120	5.120	4.840	5.550	5.450	6.650	7.300	7.78	8.150	8.810
NORMALIZED MAX	2.640	3.118	3.074	3.083	3.229	3.900	3.32	3.450	4.053	4.260
CALC. COEF. VAR	.372	.429	.410	.377	.378	.392	.369	.350	.342	.341
REGION. COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399
USED COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399
MEAN/Y	1.1147	1.1915	1.1674	1.1815	1.174	1.2128	1.2354	1.2555	1.3004	1.3314
RP100/Y	1.1766	1.2381	1.2642	1.2621	1.3084	1.3318	1.3577	1.3935	1.4622	1.5085
RP25/Y	1.2127	1.2928	1.3229	1.3087	1.3722	1.3868	1.4158	1.4456	1.5043	1.5493
RP50/Y	1.2380	1.3326	1.3600	1.3446	1.4185	1.4493	1.4800	1.5172	1.6022	1.6618
RP100/Y	1.2632	1.3723	1.4040	1.3787	1.4637	1.4976	1.5345	1.5677	1.7225	1.8536
RP1000/Y	1.3439	1.5015	1.4568	1.6093	1.6524	1.6880	1.722	1.8305	1.917	1.070
RP10000/Y	1.4217	1.6284	1.6800	1.9593	1.7474	1.8018	1.842	1.8868	1.9925	1.0283
PMF/Y	1.8083	1.1294	1.2510	1.0855	1.4411	1.4435	1.0870	1.7994	2.1124	2.3150

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB E60 5612 U	STATION NAME MIGUELITO AVE STA SJW	ELEV 470	SEC 24	TWP 06S	RNG INT 01E G	HMM 11	LATITUDE 37°34'3	LONGITUDE 121°43'7	COUNTY 43				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	7650
2	1.447	1.47	2.11	2.53	2.78	3.10	3.44	4.04	4.58	5.47	6.29	16.96	
5	2.07	2.76	3.66	3.11	3.61	3.96	4.37	4.8	5.76	7.56	11.44	19.52	
10	2.68	3.29	3.71	3.04	3.34	3.74	5.18	5.66	6.69	7.47	10.46	13.36	22.15
20	2.86	3.66	4.33	4.10	5.02	5.49	5.94	7.61	8.48	10.04	15.09	26.45	
25	2.97	4.04	4.53	4.31	5.23	5.72	6.17	7.88	8.79	10.41	15.62	26.14	
30	3.22	4.43	4.94	4.68	5.64	6.20	6.74	8.46	9.43	11.16	16.71	26.55	
50	3.74	5.14	5.74	5.49	6.44	7.00	7.62	9.47	11.50	17.21			
100	4.30	5.15	5.73	5.20	6.52	7.12	7.47	8.10	9.59	16.41	12.50	18.72	29.11
200	4.04	5.64	6.32	5.73	7.14	7.40	8.24	8.95	10.33	11.44	13.56	20.71	30.92
1000	4.42	6.43	7.06	6.74	8.55	9.44	9.75	11.30	12.03	13.79	23.32	34.40	
10000	5.91	8.48	9.54	9.28	10.52	11.47	11.82	12.5	14.37	16.00	18.87	27.72	
PMF	11.33	15.60	17.55	15.34	20.27	22.09	23.90	25.40	30.59	34.01	40.02	60.46	92.01
MEAN	1.404	2.044	2.356	2.423	2.770	3.045	3.343	3.677	4.351	4.668	5.804	8.750	15.396
CLOCK HR. CON.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.126	.987	1.018	.738	.90	1.249	1.271	1.011	.735	.670	.485	1.218	1.495
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.300	1.400	.900	.800	.500	.800	.500
SKEW USED	1.390	1.600	1.500	1.400	1.300	1.300	1.300	1.400	.900	.800	.500	.800	.500
KURTOSIS	7.774	3.400	4.014	3.250	4.134	5.405	5.653	4.550	3.471	3.628	2.914	2.316	2.711
N	45	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1942	1942	1942	1942	1971	1942	1942	1942	1942	1942	1971	1942	1973
RECORD MAXIMUM	3.550	3.760	4.420	4.550	5.560	6.880	7.260	7.440	8.860	9.240	9.100	14.00	26.380
NORMALIZED MAX	2.422	2.292	2.571	2.449	2.424	3.423	3.348	3.013	2.989	2.989	2.494		
CALC. COEF. VAR	.403	.347	.361	.339	.340	.358	.344	.347	.315	.303	.306	.306	.306
REGION. COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332
USED COEF. VAR	.403	.430	.430	.332	.420	.417	.410	.403	.402	.399	.393	.394	.332
MEAN/A	.1045	.1361	.1531	.1640	.1804	.1979	.2173	.2391	.2828	.3164	.3772	.5687	1.0000
NP10/A	.1069	.2139	.2489	.2368	.2819	.3304	.3864	.4350	.4854	.5757	.7177	.9681	1.3933
NP25/A	.1593	.2627	.2944	.2798	.3402	.3718	.4413	.4357	.5123	.5712	.7065	1.0153	1.4300
NP50/A	.2088	.2988	.3537	.3473	.3925	.4474	.4930	.5684	.6118	.7476	1.1183	1.7672	
NP100/A	.2594	.3344	.4724	.4421	.4238	.4628	.4423	.5301	.6170	.8088	.8157	1.2104	1.4517
NP1000/A	.3132	.4505	.4977	.4414	.5560	.6068	.6334	.6753	.7816	1.0278	1.5197	2.7652	
NP10000/A	.3942	.5644	.6201	.5378	.6836	.7457	.7684	.8126	.9341	1.1397	1.2200	1.8013	2.6007
PMF/A	.7363	1.1141	1.1407	.9697	1.3171	1.4356	1.5534	1.6834	1.9880	2.2201	2.1000	3.4296	5.9000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 5637 U	STATION NAME MILLBERRY	ELEV 245	SEC 1750	TWP 06S	RNG INT 01E G	HMM 11	LATITUDE 37.117	LONGITUDE 121.919	COUNTY 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	5.02	6.78	7.93	8.53	9.63	10.18	11.21	12.23	13.66	15.70
5	7.04	9.43	11.47	12.27	13.75	14.51	15.43	17.11	19.02	21.12
10	8.45	11.27	14.92	16.77	18.50	19.40	20.76	23.17	22.35	24.79
20	9.75	14.04	16.27	17.17	19.14	20.12	21.51	23.00	25.38	26.14
25	10.15	14.70	17.01	17.92	19.42	20.48	22.36	26.31	29.17	34.22
30	11.00	16.00	18.55	19.49	21.60	22.78	25.68	28.23	31.28	36.66
50	11.39	16.72	19.20	21.23	24.19	25.54	28.51	29.12	32.66	37.81
100	12.59	18.71	21.51	22.49	24.81	26.11	27.43	29.05	31.81	35.22
200	13.77	21.67	23.72	24.71	27.18	28.60	29.85	31.51	34.39	38.09
1000	16.45	25.29	28.75	29.76	34.55	34.23	35.30	37.01	40.15	44.45
10000	20.18	31.59	35.82	36.83	40.02	42.07	42.81	44.54	47.98	53.09
PMF	34.67	56.75	65.90	69.28	77.11	80.99	86.56	92.27	102.12	112.86
MEAN	5.400	7.617	8.845	9.433	10.563	11.164	12.106	13.047	14.527	16.188
CLOCK HR. CON.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.027	1.194	1.230	1.035	1.228	1.480	1.530	1.382	1.262	1.140
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.300	1.400	.900	.800
SKEW USED	1.306	1.600	1.500	1.400	1.300	1.300	1.300	1.400	.900	.800
KURTOSIS	4.274	4.492	4.827	3.673	4.435	6.257	6.384	5.715	4.954	4.754
N	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1963	1963	1963	1963	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	10.250	17.230	20.820	20.490	25.300	26.910	31.550	32.120	34.450	40.000
NORMALIZED MAX	2.144	2.757	2.683	2.605	3.027	3.177	3.472	3.369	3.163	3.046
CALC. COEF. VAR	.404	.458	.470	.400	.451	.471	.460	.429	.434	.413
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
MEAN/A	.1221	.1694	.1967	.2097	.2349	.2482	.2692	.2912	.3230	.3593
NP10/A	.1879	.2662	.3094	.3263	.3670	.3868	.4172	.4485	.4967	.5512
NP25/A	.2269	.3269	.3782	.3905	.4428	.4694	.4972	.5361	.5846	.6491
NP50/A	.2532	.3719	.4287	.4448	.4974	.5242	.5545	.5895	.6474	.7174
NP100/A	.2860	.4161	.4783	.5000	.5516	.5816	.6098	.6459	.7070	.7832
NP1000/A	.3658	.5605	.6393	.6618	.7237	.7612	.7850	.8230	.8929	.9883
NP10000/A	.4487	.7024	.7965	.8159	.8699	.9356	.9618	.9903	1.1805	1.3795
PMF/A	.8599	1.2818	1.4652	1.5465	1.7146	1.6008	1.9247	2.0516	2.2707	2.5895

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R#M	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB E60 7821 0	SAN JOSE	76		075	01E		M	37.350	121.900	COO 43
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.53	1.68	2.08	2.30	2.44	2.68	3.22	3.80	4.25	4.96
5	2.14	2.72	3.01	3.30	3.56	3.82	4.20	4.51	5.29	6.00
10	2.58	3.31	3.66	3.98	4.27	4.57	4.98	5.32	6.21	6.93
20	2.97	3.88	4.27	4.63	4.94	5.29	5.71	6.06	7.05	7.87
40	3.14	4.08	4.47	4.84	5.14	5.52	5.94	6.29	7.32	8.16
60	3.35	4.44	4.87	5.26	5.59	5.98	6.05	6.77	7.85	8.75
80	3.47	4.62	5.05	5.46	5.79	6.20	6.62	6.99	8.14	9.02
100	3.84	5.17	5.68	6.07	6.42	6.87	7.28	7.66	8.94	9.85
200	4.20	5.72	6.23	6.62	7.00	7.42	7.83	8.31	9.56	10.32
1000	5.02	6.97	7.55	8.03	8.42	9.00	9.38	9.76	11.14	12.43
10000	6.14	8.73	9.41	9.94	10.35	11.06	11.37	11.74	13.34	14.84
PMF	11.40	15.69	17.31	18.69	19.94	21.29	22.99	24.32	28.39	31.55
MEAN	1.675	2.100	2.324	2.545	2.732	2.935	3.216	3.453	4.039	4.517
CLOCK HR. COM.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.490	1.472	1.420	1.357	1.367	1.344	1.288	1.282	1.282	1.282
REGIONAL SKEW	1.300	1.400	1.500	1.430	1.300	1.300	1.100	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
KURTOSIS	7.533	7.263	7.592	7.742	5.403	5.105	3.652	3.340	2.971	4.852
RECORD YEAR	1919	1919	1919	1911	1911	1911	1911	1911	1911	1911
RECORD MAXIMUM	5.753	6.220	6.757	7.137	7.440	7.657	7.872	8.091	12.910	20.640
NORMALIZED MAX	3.442	3.677	3.778	4.104	3.850	3.735	3.424	3.101	3.047	3.953
CALC. COEF. VAM	.459	.471	.444	.423	.409	.386	.375	.388	.402	.391
REGION. COEF. VAM	.403	.431	.430	.423	.420	.417	.410	.403	.402	.399
USED COEF. VAM	.403	.431	.430	.423	.420	.417	.410	.403	.402	.399
MEAN/A	1.121	1.523	1.680	1.841	1.975	2.123	2.325	2.497	2.921	3.267
RP10/A	1.165	1.593	1.764	1.981	2.080	2.240	2.493	2.646	3.100	3.580
RP25/A	1.224	1.733	1.923	2.147	2.240	2.394	2.645	2.791	3.246	3.726
RP50/A	1.251	1.804	1.963	2.147	2.188	2.340	2.590	2.741	3.196	3.676
RP100/A	1.277	1.874	2.047	2.240	2.280	2.434	2.684	2.835	3.290	3.770
RP1000/A	1.300	1.919	2.092	2.280	2.320	2.474	2.724	2.875	3.330	3.810
RP10000/A	1.452	2.315	2.685	2.787	2.827	2.981	3.231	3.382	3.837	4.292
PMF/A	1.853	2.134	2.251	2.351	2.420	2.539	2.627	2.750	2.853	2.989

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R#M	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB E60 7824 1	SAN JOSE DECIO FRUIT A	90	15	075	01W	J	M	37.317	121.960	COO 43
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.71	2.02	2.21	2.30	2.59	2.81	3.25	3.51	4.12	4.62
5	2.41	2.93	3.19	3.39	3.70	4.01	4.59	4.91	5.73	6.42
10	2.88	3.57	3.87	4.09	4.44	4.81	5.44	5.79	6.73	7.54
20	3.12	4.19	4.53	4.75	5.13	5.54	6.24	6.60	7.65	8.55
40	3.40	4.34	4.73	4.96	5.35	5.80	6.49	6.86	8.07	9.00
60	3.75	4.80	5.16	5.40	5.81	6.29	6.61	7.37	8.50	9.51
80	3.88	4.99	5.37	5.60	6.02	6.51	7.23	7.61	8.77	9.61
100	4.29	5.59	5.99	6.23	6.67	7.22	7.98	8.34	9.56	10.71
200	4.70	6.17	6.60	6.84	7.30	7.90	8.64	9.05	10.36	11.58
1000	5.61	7.52	8.00	8.24	8.75	9.46	10.24	10.63	12.09	13.51
10000	6.88	9.42	9.97	10.20	10.76	11.63	12.42	12.79	14.45	16.14
PMF	13.19	16.93	18.34	19.19	20.73	22.38	25.11	26.49	30.76	34.31
MEAN	1.872	2.272	2.462	2.612	2.834	3.085	3.512	3.760	4.376	4.912
CLOCK HR. COM.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.494	1.462	1.495	1.424	1.314	1.395	1.284	1.280	1.280	1.280
REGIONAL SKEW	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
SKEW USED	1.300	1.400	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
KURTOSIS	3.206	2.965	2.793	3.392	4.352	6.555	7.688	6.197	4.227	3.660
RECORD YEAR	31	31	31	31	31	31	31	31	31	31
RECORD MAXIMUM	2.450	3.990	4.230	5.230	6.060	7.340	8.550	8.84	9.040	9.500
NORMALIZED MAX	1.547	2.157	2.193	2.967	3.431	3.658	3.433	2.838	2.512	2.607
CALC. COEF. VAM	.338	.368	.369	.376	.382	.402	.392	.378	.376	.367
REGION. COEF. VAM	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
USED COEF. VAM	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
MEAN/A	1.1297	1.575	1.706	1.810	1.968	2.138	2.434	2.608	3.033	3.404
RP10/A	1.1997	1.675	1.868	2.034	2.174	2.331	2.672	2.845	3.222	3.613
RP25/A	1.2394	1.763	1.964	2.130	2.270	2.427	2.768	2.941	3.318	3.709
RP50/A	1.2691	1.8457	2.046	2.212	2.352	2.509	2.850	3.023	3.400	3.791
RP100/A	1.2976	1.9669	2.167	2.333	2.473	2.630	2.971	3.144	3.521	3.912
RP1000/A	1.3888	2.211	2.515	2.716	2.856	3.013	3.354	3.527	3.904	4.295
RP10000/A	1.6768	2.6530	2.999	3.199	3.454	3.709	4.050	4.223	4.600	5.000
PMF/A	1.9139	2.1731	2.297	2.397	2.463	2.551	2.682	2.782	2.913	3.044

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUV E60 A519 0	STATION NAME STEVENS CREEK HESKVOIR	ELEV 600	SEC 24	TAP 075	PNG LOT 026 H	RHM M	LATITUDE 37.3 N	LONGITUDE 122.043	COUNTY CODE 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS - HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	360
2	3.38	4.32	4.96	5.39	5.74	6.24	6.75	7.39	8.43	10.88
5	4.77	6.26	7.17	7.73	8.27	8.89	9.51	10.34	11.73	15.04
10	5.69	7.62	8.70	9.32	9.93	10.66	11.29	12.20	13.74	17.63
20	6.57	8.95	10.17	10.84	11.44	12.23	12.95	13.91	15.66	20.22
25	6.84	9.36	10.63	11.31	11.98	12.76	13.46	14.44	16.23	21.01
40	7.41	10.24	11.60	12.30	12.99	13.74	14.71	15.52	17.41	22.20
50	7.67	10.64	12.05	12.77	13.47	14.25	15.01	16.03	17.96	22.89
100	8.48	11.62	13.45	14.19	14.92	15.80	16.51	17.56	19.62	24.97
200	9.28	13.16	14.82	15.60	16.39	17.32	17.97	19.05	21.21	26.49
1000	11.08	16.08	17.97	18.79	19.57	20.48	21.25	22.38	24.77	31.47
10000	13.54	20.12	22.39	23.25	24.07	25.77	26.93	28.63	32.49	52.93
PMP	26.05	36.15	41.19	43.73	46.37	49.63	52.10	55.78	63.01	79.64
MEAN	3.694	4.452	5.528	5.954	6.353	6.441	7.287	7.918	8.961	9.488
CLOCK HR. COV.	1.141	1.270	1.048	1.020	1.016	1.011	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.406	1.770	1.715	1.632	1.506	1.511	1.411	1.425	1.153	0.848
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800
KURTOSIS	3.412	2.706	2.741	2.465	4.934	7.444	10.189	9.705	6.382	4.568
RECORD YEAR	37	37	37	37	37	37	37	37	37	37
RECORD MAXIMUM	6.390	6.670	10.580	11.100	14.770	17.720	19.950	21.370	21.420	21.990
NORMALIZED MAX	2.182	2.70	2.182	2.229	3.282	3.804	4.164	4.106	3.619	3.181
CALC. COEF. VAR	0.387	0.400	0.419	0.398	0.404	0.418	0.417	0.414	0.384	0.372
REGION. COEF. VAR	0.403	0.430	0.430	0.423	0.423	0.417	0.410	0.403	0.393	0.393
USED COEF. VAR	0.403	0.430	0.430	0.423	0.423	0.417	0.410	0.403	0.393	0.393
MEAN/A	1.345	1.791	2.040	2.197	2.344	2.525	2.689	2.922	3.337	3.649
SD/A	0.210	0.214	0.210	0.204	0.203	0.203	0.203	0.203	0.203	0.203
NP25/A	0.254	0.356	0.393	0.415	0.429	0.444	0.467	0.528	0.591	0.688
NP50/A	0.213	0.303	0.347	0.371	0.390	0.404	0.417	0.434	0.451	0.468
NP100/A	0.213	0.303	0.347	0.371	0.390	0.404	0.417	0.434	0.451	0.468
NP1000/A	0.213	0.303	0.347	0.371	0.390	0.404	0.417	0.434	0.451	0.468
PMP/A	0.213	1.334	1.520	1.614	1.711	1.816	1.929	2.058	2.325	2.930

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB E60 A666 U	STATION NAME SUNNYVALE	ELEV 47	SEC 24	TAP 075	PNG LOT 026 H	RHM M	LATITUDE 37.3 N	LONGITUDE 122.033	COUNTY CODE 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION - DAYS - HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	360
2	1.63	1.91	2.09	2.37	2.54	2.79	3.24	3.51	4.00	4.46
5	2.30	2.77	3.02	3.41	3.64	3.97	4.60	4.91	5.56	6.20
10	2.74	3.37	3.67	4.11	4.43	4.76	5.66	5.79	6.54	7.28
20	3.17	3.96	4.28	4.78	5.13	5.51	6.26	6.60	7.43	8.26
25	3.30	4.14	4.48	4.99	5.35	5.74	6.51	6.85	7.70	8.56
40	3.67	4.53	4.89	5.42	5.80	6.23	6.63	7.37	8.26	9.18
50	3.70	4.71	5.08	5.63	6.03	6.45	7.26	7.61	8.52	9.47
100	4.09	5.27	5.67	6.26	6.66	7.15	7.98	8.34	9.30	10.34
200	4.47	5.83	6.25	6.88	7.30	7.83	8.69	9.05	10.06	11.18
1000	5.34	7.11	7.57	8.28	8.74	9.37	10.27	10.62	11.75	13.05
10000	6.55	8.90	9.44	10.25	10.75	11.51	12.46	12.76	14.04	15.59
PMP	12.50	15.49	17.36	19.28	20.71	22.17	25.19	26.49	29.88	33.14
MEAN	1.783	2.147	2.330	2.625	2.830	3.055	3.523	3.780	4.258	4.744
CLOCK HR. COV.	1.144	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.115	1.298	1.231	1.024	1.034	1.034	1.017	1.025	1.018	1.023
REGIONAL SKEW	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800
SKEW USED	1.300	1.000	1.500	1.400	1.300	1.300	1.100	1.000	0.900	0.800
KURTOSIS	4.542	4.417	4.351	3.818	3.489	3.160	2.634	3.157	2.799	3.062
RECORD YEAR	1952	1967	1952	1967	1967	1952	1952	1967	1952	1952
RECORD MAXIMUM	3.050	3.950	4.250	4.810	4.881	5.020	5.880	6.740	7.180	8.290
NORMALIZED MAX	1.477	2.225	2.331	2.266	2.118	2.035	2.101	2.237	2.053	2.270
CALC. COEF. VAR	0.379	0.370	0.362	0.307	0.306	0.316	0.375	0.356	0.329	0.302
REGION. COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399
USED COEF. VAR	0.403	0.430	0.430	0.423	0.420	0.417	0.410	0.403	0.402	0.399
MEAN/A	1.1271	1.1531	1.1622	1.1872	1.2032	1.2179	1.2512	1.2681	1.3031	1.3383
SD/A	0.1957	0.2606	0.2614	0.2931	0.3106	0.3395	0.3953	0.4129	0.4662	0.5190
NP25/A	0.1419	0.2555	0.2955	0.3574	0.3944	0.4044	0.4686	0.4884	0.5409	0.6069
NP50/A	0.2037	0.3361	0.3622	0.4015	0.4286	0.4601	0.5175	0.5426	0.6074	0.6755
NP100/A	0.2106	0.3701	0.4041	0.4603	0.4751	0.5096	0.5892	0.5947	0.6834	0.7375
NP1000/A	0.3101	0.5068	0.5401	0.6070	0.6233	0.6681	0.7326	0.7517	0.8377	0.9306
NP10000/A	0.4673	0.6344	0.6729	0.7110	0.7663	0.8211	0.8883	0.9117	1.0011	1.1118
PMP/A	0.8556	1.1405	1.2374	1.3751	1.4766	1.5867	1.7963	1.8886	2.1308	2.3629

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. WSN ORDER SUM E60 9493 0	STATION NAME WILLOW GLEN	ELEV 282	SEC 155	TWP 31	RNG LOT N7S 01E	HWY M	LATITUDE 37.310	LONGITUDE 121.900	COUNTY CODE 43	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.51	1.94	2.21	2.39	2.57	2.83	3.18	3.43	4.11	4.54
5	2.13	2.88	3.19	3.42	3.71	4.03	4.49	4.80	5.72	6.31
10	2.55	3.42	3.87	4.13	4.45	4.83	5.33	5.66	6.72	7.40
20	2.94	4.01	4.52	4.80	5.15	5.59	6.11	6.46	7.63	8.41
25	3.06	4.19	4.73	5.01	5.37	5.83	6.35	6.71	7.91	8.71
30	3.21	4.39	4.93	5.21	5.58	6.12	6.64	7.01	8.24	9.04
50	3.43	4.77	5.36	5.66	6.04	6.56	7.08	7.44	8.76	9.64
100	3.79	5.34	5.98	6.29	6.67	7.26	7.79	8.15	9.56	10.52
200	4.14	5.90	6.59	6.91	7.33	7.95	8.48	8.84	10.34	11.38
1000	4.95	7.19	7.99	8.32	8.76	9.51	10.02	10.39	12.07	13.28
10000	6.08	9.01	9.96	10.30	10.74	11.49	12.15	12.51	14.43	15.86
PMP	11.65	16.14	18.32	19.36	20.74	22.50	24.57	25.89	30.71	33.71
MEAN	1.453	2.173	2.460	2.638	2.848	3.102	3.437	3.675	4.368	4.827
CLOCK HW. COR.	1.146	1.470	1.640	1.620	1.610	1.610	1.600	1.600	1.600	1.600
CALCULATED SKEW	1.249	1.803	2.060	2.075	2.140	2.310	2.402	2.482	2.779	2.925
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	1.000	1.000
KURTOSIS	4.529	3.824	3.064	3.023	3.203	4.316	5.183	4.729	2.877	3.554
N	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1962	1961	1963	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2.440	3.430	4.570	4.870	5.488	6.500	7.880	7.830	9.351	11.300
NORMALIZED MAX	2.100	2.376	2.362	2.403	2.699	3.117	3.377	3.274	2.520	2.615
CALC. COEF. VAR	.353	.340	.366	.352	.342	.341	.366	.345	.301	.343
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399
MEAN/A	1.144	1.507	1.705	1.829	1.975	2.151	2.383	2.548	3.029	3.347
RP10/A	1.765	2.268	2.526	2.686	2.895	3.152	3.493	3.725	4.459	5.134
RP25/A	1.920	2.504	2.779	2.975	3.223	3.500	3.800	4.040	4.848	5.602
RP50/A	2.374	3.308	3.717	3.922	4.186	4.502	4.909	5.159	6.070	6.882
RP100/A	2.654	3.702	4.144	4.366	4.636	5.031	5.399	5.652	6.633	7.295
RP1000/A	3.345	4.483	5.085	5.311	5.685	6.160	6.572	6.926	8.097	8.926
RP10000/A	4.213	5.629	6.329	6.541	7.081	7.616	8.066	8.404	10.004	10.996
PMP/A	8.074	11.227	12.705	13.435	14.415	15.604	17.039	17.953	21.292	23.375

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUM E70 2205 0	STATION NAME CRYSTAL SP COTTAGE	ELEV 395	SEC 400	TWP 400	RNG LOT M	LATITUDE 37.350	LONGITUDE 122.333	COUNTY CODE 41					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.12	2.92	3.47	3.72	4.00	4.40	5.01	5.64	6.67	7.28	8.66	12.91	23.85
5	2.99	4.23	5.01	5.34	5.80	6.27	7.05	7.89	9.28	10.11	11.97	17.70	31.11
10	3.57	5.15	6.08	6.44	6.96	7.52	8.37	9.31	10.91	11.87	14.32	20.78	33.35
20	4.12	6.05	7.11	7.49	8.06	8.70	9.60	10.61	12.39	13.48	15.91	23.68	38.35
25	4.29	6.33	7.43	7.82	8.40	9.07	9.94	11.02	12.85	13.97	16.48	24.31	40.08
40	4.64	6.92	8.11	8.50	9.12	9.83	10.17	11.85	13.78	14.98	17.67	25.99	42.32
50	5.08	7.20	8.43	8.82	9.45	10.19	11.13	12.40	14.51	15.45	18.32	27.37	44.20
100	5.82	8.91	10.37	10.78	11.47	12.36	13.32	14.54	16.79	18.24	21.48	31.38	46.45
200	5.82	8.91	10.37	10.78	11.47	12.36	13.32	14.54	16.79	18.24	21.48	31.38	46.45
1000	6.95	11.86	12.57	12.98	13.74	14.79	15.76	17.08	19.60	21.29	25.04	36.38	55.55
PMP	16.33	24.44	28.80	30.22	32.54	35.00	39.64	42.57	49.86	54.05	63.38	94.68	144.66
MEAN	2.318	3.280	3.866	4.114	4.458	4.825	5.404	6.043	7.092	7.739	9.192	13.615	24.528
CLOCK HR. COR.	1.140	1.670	1.890	1.920	1.910	1.810	1.600	1.600	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.850	1.494	1.390	1.276	.984	.806	.535	.600	-0.009	-.158	-.311	.662	.500
REGIONAL SKEW	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.500	.500
SKEW USED	1.300	1.600	1.500	1.400	1.300	1.300	1.100	1.000	.900	.900	.800	.500	.500
KURTOSIS	3.590	5.766	5.829	5.166	3.890	3.222	2.825	2.725	2.083	2.245	2.394	2.489	2.073
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1940	1938	1958	1958	1940	1958
RECORD MAXIMUM	3.640	6.590	8.110	8.600	8.640	8.670	8.670	10.550	10.760	12.940	15.340	23.750	40.290
NORMALIZED MAX	1.816	2.575	2.809	2.785	2.562	2.335	1.899	1.982	1.483	1.881	1.983	1.483	1.881
CALC. COEF. VAR	.314	.392	.391	.392	.366	.341	.318	.335	.351	.349	.355	.407	.346
REGION. COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.333
USED COEF. VAR	.403	.430	.430	.423	.420	.417	.410	.403	.402	.399	.393	.394	.333
MEAN/A	.0945	.1337	.1576	.1677	.1817	.1967	.2203	.2444	.2891	.3155	.3748	.5551	1.0000
RP10/A	1.455	2.101	2.480	2.625	2.840	3.065	3.414	3.795	4.447	4.840	5.820	8.673	14.939
RP25/A	1.748	2.581	3.031	3.187	3.427	3.696	4.069	4.492	5.237	5.696	6.818	10.367	18.344
RP50/A	2.160	2.936	3.436	3.597	3.953	4.154	4.538	4.949	5.795	6.300	7.427	1.0915	1.7671
RP100/A	2.686	3.285	3.631	3.698	4.068	4.461	4.891	5.405	6.329	6.818	8.103	1.1873	1.9819
RP1000/A	3.282	4.426	5.124	5.292	5.960	6.632	7.424	7.992	9.792	10.210	12.483	2.2955	3.9855
RP10000/A	4.374	5.545	6.384	6.549	6.886	7.413	7.789	8.378	9.950	10.367	12.185	1.7482	2.9600
PMP/A	6.657	9.963	11.744	12.319	13.267	14.270	15.752	17.357	20.326	22.038	25.840	3.8356	5.5000

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F10 5941 0	STATION NAME MT HERRIN R 5	ELFV 4450	SEC 32	TWP 46N	RNG LOT 11W	PMW M	LATITUDE 41.783	LONGITUDE 122.000	COUNTY CODE 47				
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.72	1.89	1.98	2.09	2.17	2.37	2.50	2.70	2.94	3.52	5.09	17.25
5	1.99	2.37	2.58	2.69	2.82	2.92	3.15	3.31	3.63	3.90	4.63	6.71	16.20
10	2.32	2.80	3.03	3.15	3.31	3.39	3.63	3.83	4.14	4.48	5.29	7.68	16.87
20	2.63	3.20	3.45	3.57	3.73	3.82	4.07	4.25	4.60	5.00	5.89	8.55	18.32
25	2.72	3.33	3.58	3.70	3.87	3.95	4.21	4.39	4.74	5.16	6.07	8.82	18.75
40	2.77	3.40	3.65	3.76	3.94	4.03	4.29	4.47	4.82	5.24	6.14	9.36	19.63
50	3.01	3.72	3.96	4.09	4.28	4.36	4.62	4.80	5.15	5.64	6.61	9.81	20.03
100	3.24	4.10	4.37	4.48	4.68	4.74	5.01	5.19	5.53	6.10	7.12	10.35	21.21
200	3.56	4.47	4.75	4.85	5.07	5.12	5.38	5.56	5.90	6.54	7.61	11.07	22.32
1000	4.16	5.31	5.60	5.69	5.94	5.95	6.22	6.39	6.70	7.51	8.68	12.64	24.72
10000	5.00	6.48	6.79	6.84	7.14	7.16	7.36	7.51	7.76	8.83	10.12	14.74	27.83
PMW	9.88	12.27	13.16	13.58	14.14	14.38	15.22	15.45	17.44	18.75	22.04	32.15	62.59
MEAN	1.577	1.470	2.333	2.121	2.231	2.307	2.496	2.615	2.853	3.081	3.659	5.297	12.469
CLOCK MR. COE.	1.140	1.770	1.640	1.620	1.710	1.610	1.900	1.800	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	.615	1.492	1.018	1.555	1.470	1.365	1.050	.993	.883	.855	.823	.384	-0.063
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	2.677	6.000	7.479	7.855	8.144	8.273	5.092	5.074	5.151	5.381	5.277	3.335	3.066
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	2.950	5.150	5.880	6.010	6.130	6.150	6.340	6.37	6.490	7.100	7.970	10.310	20.050
NORMALIZED MAX	1.545	2.710	3.122	3.155	3.238	3.268	3.450	3.469	3.482	3.220	2.912	2.369	1.954
CALC. COEF. VAR	.503	.602	.581	.576	.567	.567	.535	.500	.467	.447	.405	.311	.211
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	1.265	1.500	1.620	1.701	1.789	1.850	2.002	2.097	2.228	2.471	2.934	4.248	10.000
NP10/A	1.160	1.244	1.268	1.252	1.263	1.275	1.293	1.305	1.328	1.351	1.425	1.612	1.929
NP25/A	1.212	1.272	1.282	1.266	1.310	1.316	1.334	1.351	1.360	1.411	1.467	1.701	1.939
NP50/A	1.248	1.283	1.313	1.304	1.345	1.349	1.372	1.387	1.428	1.458	1.500	1.703	1.950
NP100/A	1.255	1.326	1.354	1.352	1.374	1.382	1.414	1.419	1.447	1.483	1.510	1.802	1.709
RP1000/A	1.316	1.4256	1.445	1.453	1.475	1.476	1.488	1.512	1.537	1.607	1.695	1.935	1.925
RP10000/A	1.011	1.5193	1.545	1.548	1.577	1.576	1.590	1.620	1.622	1.700	1.818	1.920	2.230
PMW/A	1.725	1.944	1.955	1.988	1.934	1.935	1.920	1.974	1.939	1.5037	1.7879	2.5784	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F20 1316 0	STATION NAME CALLAHAN R 5	ELFV 3130	SEC 21	TWP 40N	RNG LOT 08W	PMW M	LATITUDE 41.300	LONGITUDE 122.600	COUNTY CODE 47				
MAXIMUM PRECIPITATION FOR INDICATED DURATION (D=DAYS H=HOURS)													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.37	3.01	3.36	3.60	3.94	4.30	4.76	5.14	5.76	6.28	7.42	10.47	21.38
5	3.18	4.14	4.59	4.96	5.40	5.76	6.32	6.81	7.59	8.31	9.77	13.81	26.54
10	3.71	4.89	5.39	5.80	6.30	6.69	7.29	7.83	8.67	9.55	11.17	15.81	29.45
20	4.20	5.60	6.14	6.58	7.14	7.54	8.18	8.75	9.62	10.67	12.43	17.60	31.94
25	4.35	5.83	6.38	6.82	7.40	7.81	8.45	9.03	9.91	11.01	12.81	18.14	32.74
40	4.43	6.29	6.86	7.34	7.93	8.35	9.01	9.61	10.50	11.71	13.59	19.25	34.27
50	4.81	6.50	7.09	7.55	8.14	8.60	9.26	9.88	10.77	12.04	13.95	19.76	34.97
100	5.26	7.16	7.78	8.26	8.95	9.36	10.05	10.68	11.57	13.01	15.04	21.30	37.03
200	5.69	7.81	8.46	8.95	9.70	10.11	10.80	11.45	12.34	13.95	16.06	22.77	38.98
1000	6.67	9.28	9.98	10.50	11.30	11.76	12.48	13.16	14.01	16.03	18.33	26.00	43.16
10000	8.00	11.32	12.09	12.63	13.60	14.03	14.77	15.46	16.23	18.83	21.36	30.32	48.59
PMW	15.82	21.40	23.44	25.04	27.05	28.41	30.56	32.85	36.48	39.99	46.52	66.14	109.29
MEAN	2.524	3.264	3.621	3.913	4.266	4.557	5.010	5.365	5.966	6.572	7.722	10.897	21.772
CLOCK MR. COE.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.789	1.879	1.977	1.691	1.765	1.778	1.643	1.774	1.575	1.604	1.520	.683	.343
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	6.538	7.503	8.329	8.219	8.437	6.670	7.267	6.937	6.848	7.293	6.020	3.059	2.941
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	4.930	7.510	9.260	9.980	10.640	11.290	11.910	12.22	13.200	14.630	15.940	19.480	36.500
NORMALIZED MAX	2.292	2.933	3.197	3.003	3.053	3.076	3.179	3.080	3.139	3.211	2.889	2.153	2.268
CALC. COEF. VAR	.416	.442	.487	.510	.489	.480	.433	.412	.386	.382	.369	.366	.298
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	1.119	1.502	1.663	1.797	1.959	2.093	2.301	2.473	2.740	3.018	3.547	5.005	10.000
NP10/A	1.105	1.224	1.247	1.265	1.277	1.287	1.302	1.318	1.336	1.350	1.400	1.530	1.760
NP25/A	1.200	1.276	1.290	1.313	1.340	1.358	1.380	1.419	1.452	1.508	1.583	1.832	1.939
NP50/A	1.211	1.287	1.287	1.340	1.363	1.390	1.425	1.456	1.495	1.559	1.646	1.907	1.606
NP100/A	1.216	1.320	1.357	1.395	1.411	1.431	1.461	1.494	1.531	1.577	1.691	1.972	1.709
RP1000/A	1.306	1.426	1.456	1.481	1.500	1.513	1.534	1.562	1.604	1.648	1.818	1.942	1.905
RP10000/A	1.367	1.520	1.555	1.579	1.624	1.644	1.683	1.709	1.746	1.868	1.913	1.927	2.230
PMW/A	1.764	1.959	1.978	1.953	1.923	1.900	1.836	1.5087	1.6758	1.8367	2.1369	3.0381	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F20 2899 0	STATION NAME FTJA	ELFV 2412	SEC 24	TWP 42N	RNG LOT 09W	H&M M	LATITUDE 41.467	LONGITUDE 122.900	COUNTY CODE 47				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.74	3.75	4.56	5.15	5.61	5.72	6.28	7.01	8.03	9.64	10.62	14.43	26.92
5	1.15	4.19	6.22	6.99	7.31	7.67	8.36	9.28	10.57	11.44	12.19	16.32	29.98
10	4.10	6.08	7.33	8.17	8.53	8.90	9.62	10.67	12.07	13.14	15.05	21.78	36.94
20	4.88	6.97	8.33	9.20	9.67	10.04	10.78	11.92	13.40	14.69	16.78	24.26	40.11
25	5.64	7.24	8.65	9.60	10.02	10.39	11.14	12.38	13.80	15.16	17.30	24.99	41.05
40	5.13	7.82	9.31	10.27	10.20	11.11	11.88	13.09	14.62	16.12	18.15	26.52	47.98
50	4.57	8.08	9.62	10.63	11.09	11.45	12.22	13.65	14.99	16.57	18.30	27.23	43.86
100	6.04	8.90	10.56	11.63	12.12	12.44	13.25	14.54	16.11	17.91	20.29	31.34	64.44
400	6.49	9.71	11.47	12.60	13.13	13.44	14.25	15.59	17.18	19.20	21.86	37.37	88.88
1000	7.71	11.53	13.54	14.77	15.34	15.64	16.47	17.92	19.51	22.06	25.45	44.78	109.94
10000	9.26	14.07	16.40	17.77	18.44	18.68	19.44	21.05	22.60	25.92	28.65	47.18	109.94
FWP	14.30	26.69	31.80	34.29	36.62	37.92	40.31	44.74	50.80	55.95	62.42	91.13	137.06
MEAN	2.922	4.064	4.911	5.500	5.775	6.064	6.609	7.335	8.367	9.046	10.427	15.013	27.303
CLOCK MR. COR.	1.140	1.776	1.940	1.920	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	2.170	2.244	1.694	1.218	1.147	1.268	1.585	1.422	1.093	1.235	1.234	1.814	-0.155
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	10.630	10.952	8.074	5.848	5.552	6.063	7.767	7.504	5.584	6.111	6.114	3.554	2.291
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	4.410	10.700	12.440	13.690	13.680	14.730	16.730	17.92	18.870	20.870	22.530	28.330	35.100
NORMALIZED MAX	2.454	3.259	3.126	2.413	2.919	2.949	3.274	3.224	2.865	2.940	2.941	2.730	1.433
CALC. COEF. VAM	.351	.501	.494	.473	.469	.477	.468	.448	.444	.440	.388	.383	.302
REGN. COEF. VAM	.351	.371	.365	.360	.350	.349	.340	.341	.341	.339	.335	.338	.268
USED COEF. VAM	.351	.371	.365	.360	.350	.349	.340	.341	.341	.339	.335	.338	.268
MEAN/A	.1070	.1488	.1799	.2017	.2116	.2222	.2421	.2686	.3042	.3313	.3819	.5399	1.0000
RP10/A	.1574	.2228	.2679	.2991	.3126	.3281	.3522	.3907	.4421	.4814	.5529	.7912	1.529
RP25/A	.1846	.2652	.3169	.3571	.3871	.3985	.4482	.4907	.5054	.5552	.6339	.9154	1.809
RP50/A	.2041	.2961	.3523	.3844	.4082	.4193	.4478	.4926	.5090	.5699	.6848	.9972	1.6000
RP100/A	.2229	.3281	.3866	.4259	.4443	.4565	.4854	.5327	.5591	.6561	.7472	1.0747	1.7009
RP1000/A	.2495	.4225	.4960	.5411	.5636	.5735	.6032	.6563	.7146	.8091	.9005	1.3119	1.9629
RP10000/A	.3393	.5155	.6008	.6509	.6774	.6840	.7135	.7711	.8279	.9492	1.0567	1.5301	2.2320
FWP/A	.6704	.9771	1.1666	1.2910	1.3413	1.3452	1.4765	1.6387	1.8605	2.0162	2.3010	3.3778	5.6200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE											
STATION NO. 85N ORDER SUB F20 2785 0	STATION NAME MONTAGUE 3 NE		ELFV 2640	SEC 1R	TWP 42N	RNG LOT 05W	H&M M	LATITUDE 41.750	LONGITUDE 122.467	COUNTY CODE 47	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	
2	1.27	1.56	1.74	1.88	1.96	2.09	2.26	2.44	2.83	3.12	3.76
5	1.71	2.15	2.38	2.56	2.64	2.80	3.00	3.24	3.73	4.13	4.95
10	1.99	2.54	2.79	2.99	3.10	3.25	3.46	3.72	4.26	4.75	5.67
20	2.25	2.91	3.18	3.39	3.51	3.66	3.88	4.16	4.73	5.31	6.30
25	2.33	3.02	3.30	3.51	3.64	3.79	4.01	4.29	4.87	5.48	6.50
40	2.37	3.26	3.56	3.57	3.70	4.05	4.28	4.57	5.16	5.83	6.95
50	2.54	3.37	3.67	3.89	4.03	4.18	4.40	4.69	5.29	5.99	7.07
100	2.82	3.71	4.03	4.25	4.41	4.55	4.77	5.07	5.69	6.47	7.62
200	3.05	4.05	4.38	4.61	4.77	4.91	5.13	5.44	6.06	6.94	8.18
400	3.57	4.81	5.17	5.41	5.59	5.71	5.93	6.25	6.89	7.87	9.42
1000	4.29	5.67	6.26	6.50	6.71	6.82	7.01	7.35	7.98	9.37	10.84
FWP	8.47	11.13	12.14	12.90	13.29	13.80	14.52	15.61	17.93	19.90	23.60
MEAN	1.349	1.695	1.875	2.015	2.097	2.214	2.380	2.554	2.932	3.270	5.348
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.125	.815	.806	.795	.765	.938	.970	.974	.975	.954	.958
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.700	.700
KURTOSIS	4.384	3.870	3.395	3.480	3.561	3.732	3.709	3.097	2.800	2.591	2.484
N	73	73	73	73	73	73	73	73	73	73	73
RECORD YEAR	1930	1965	1965	1965	1965	1966	1906	1906	1927	1927	1956
RECORD MAXIMUM	2.610	3.410	4.060	4.480	4.670	4.960	5.470	5.85	6.630	7.060	10.230
NORMALIZED MAX	2.567	2.817	2.884	2.948	3.030	3.111	3.039	2.940	2.903	2.766	21.710
CALC. COEF. VAM	.365	.401	.415	.415	.415	.415	.415	.415	.415	.415	.392
REGN. COEF. VAM	.351	.371	.365	.360	.350	.349	.340	.341	.339	.335	.338
USED COEF. VAM	.351	.371	.365	.360	.350	.349	.340	.341	.339	.335	.338
MEAN/A	.1119	.1402	.1552	.1667	.1735	.1832	.1969	.2117	.2426	.2705	.3241
RP10/A	.1646	.2099	.2311	.2472	.2563	.2688	.2865	.3079	.3526	.3931	.4618
RP25/A	.1930	.2499	.2734	.2907	.3011	.3137	.3320	.3552	.4031	.4533	.5376
RP50/A	.2134	.2790	.3019	.3185	.3347	.3521	.3701	.3889	.4379	.4905	.5854
RP100/A	.2331	.3073	.3335	.3520	.3641	.3764	.3949	.4199	.4706	.5357	.6306
RP1000/A	.2954	.3981	.4279	.4472	.4622	.4728	.4907	.5173	.5699	.6594	.7692
RP10000/A	.3588	.4857	.5183	.5380	.5555	.5639	.5804	.6061	.6803	.7751	.8966
FWP/A	.7018	.9207	1.0047	1.0673	1.1000	1.1420	1.2011	1.2616	1.4838	1.6662	1.9525
											2.6855
											5.2620

PEANSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE												
STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	H/M	LATITUDE	LONGITUDE	COUNTY CODE			
F20 1966 0	YREKA	159	P031	27	45N 07W	M	41.717	122.633	47			
MAXIMUM PRECIPITATION FOR INDICATED DURATION P-DAYS H-HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600
2	1.79	2.24	2.53	2.83	3.02	3.25	3.54	3.74	4.37	4.70	5.48	7.60
5	2.47	3.06	3.45	3.84	4.06	4.35	4.70	4.95	5.76	6.22	7.21	10.02
10	2.82	3.64	4.06	4.49	4.77	5.05	5.42	5.69	6.54	7.14	8.24	11.47
20	3.19	4.17	4.62	5.07	5.40	5.70	6.08	6.36	7.30	7.98	9.17	12.77
25	3.30	4.34	4.80	5.28	5.60	5.90	6.28	6.57	7.52	8.24	9.45	13.17
40	3.36	4.68	5.16	5.37	5.70	6.31	6.70	6.98	8.76	10.03	13.97	27.60
75	3.54	5.44	5.36	5.45	6.20	6.50	6.89	7.18	8.17	9.00	10.30	14.34
100	3.49	5.34	5.46	6.39	6.77	7.08	7.47	7.78	8.78	9.73	11.09	15.46
200	4.12	5.92	6.36	6.93	7.33	7.64	8.03	8.32	9.36	10.44	11.85	16.53
1000	5.06	6.91	7.51	8.13	8.50	8.89	9.28	9.56	10.55	11.99	13.53	18.87
10000	6.47	8.43	9.10	9.77	10.13	10.49	10.98	11.24	12.32	14.09	15.77	22.01
PHP	12.00	15.99	17.64	19.34	20.46	21.47	22.72	23.68	27.68	29.92	34.34	46.01
PEARSON TYPE III DISTRIBUTION USED												
MEAN/A	1.914	2.435	2.724	3.029	3.227	3.443	3.725	3.914	4.527	4.916	5.700	7.910
CLOCK MR. COR.	1.140	1.470	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.336	1.423	1.503	1.475	1.371	1.291	1.144	1.134	1.032	0.841	0.598	0.356
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.700	0.700	0.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.700	0.700	0.400
KURTOSIS												
6.166	6.343	6.981	6.114	5.871	5.178	4.791	4.923	4.674	4.304	3.259	2.583	2.357
4	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1970	1956
RECORD MAXIMUM	4.670	6.430	6.070	6.780	9.420	4.660	10.080	10.780	12.020	12.880	13.340	15.970
NORMALIZED MAX	1.122	3.631	3.913	1.762	1.751	1.503	3.578	3.706	3.683	3.578	3.136	2.553
CALC. COEF. VAR	0.457	0.407	0.302	0.308	0.308	0.477	0.477	0.477	0.477	0.477	0.477	0.323
REGN. COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.341	0.341	0.339	0.335	0.268
USED COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.341	0.341	0.339	0.335	0.268
PEARSON TYPE III DISTRIBUTION USED												
MEAN/A	1.092	1.384	1.553	1.727	1.944	1.963	2.124	2.232	2.581	2.803	3.250	4.510
RP10/A	1.007	1.278	1.233	1.256	1.274	1.282	1.309	1.344	1.371	1.4074	1.4701	1.6543
RP25/A	1.005	1.275	1.237	1.012	1.194	1.193	1.352	1.376	1.428	1.468	1.5391	1.7539
RP50/A	1.004	1.272	1.002	1.135	1.134	1.135	1.325	1.325	1.403	1.515	1.5871	1.8100
RP100/A	1.276	1.343	1.333	1.347	1.382	1.403	1.260	1.446	1.507	1.551	1.6324	1.7009
RP1000/A	1.284	1.341	1.293	1.433	1.402	1.508	1.524	1.563	1.603	1.637	1.7714	1.0761
RP10000/A	1.364	1.400	1.519	1.573	1.592	1.504	1.622	1.605	1.704	1.632	1.9521	2.0220
PHP/A	1.644	1.916	1.654	1.553	1.1967	1.2242	1.2558	1.3614	1.5785	1.7054	1.9582	2.7378

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. ASN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	H/M	LATITUDE	LONGITUDE	COUNTY CODE				
F30 1961 0	CECILVILLE 5 SE	2900	12	37N 11W	M	40.170	123.050	47					
MAXIMUM PRECIPITATION FOR INDICATED DURATION P-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.35	4.44	5.40	6.20	6.76	7.16	7.88	8.64	9.90	10.71	13.03	19.95	39.70
5	4.51	6.14	7.37	8.11	9.13	9.60	10.47	11.45	13.04	14.18	17.14	26.31	49.30
10	5.25	7.28	8.66	9.44	10.66	11.15	12.07	13.10	14.89	16.30	19.60	30.12	54.80
20	5.95	8.33	9.87	11.16	12.07	12.57	13.54	14.70	16.52	18.21	21.81	33.53	59.50
25	6.16	8.66	10.25	11.57	12.53	13.01	13.99	15.18	17.02	18.79	22.48	34.57	60.40
40	6.27	9.35	11.02	11.77	12.74	13.91	14.32	15.15	18.03	19.49	23.85	36.69	63.70
50	6.41	9.67	11.39	12.81	13.86	14.33	15.34	16.59	18.49	20.54	24.48	37.65	66.00
100	7.44	10.65	12.50	14.00	15.15	15.61	16.64	17.94	19.87	22.21	26.37	40.59	88.80
200	8.05	11.62	13.58	15.17	16.41	16.84	17.89	19.24	21.14	23.61	28.18	43.39	95.00
1000	9.43	13.60	16.03	17.79	19.43	19.61	20.67	22.06	24.35	27.12	32.17	49.55	80.00
10000	11.32	16.04	19.42	21.40	23.11	23.39	24.46	25.97	27.88	32.13	37.44	57.78	90.00
PHP	22.38	31.92	37.65	42.45	45.77	47.36	50.61	55.19	62.65	68.25	81.65	126.05	203.30
MEAN	3.571	4.862	5.815	6.633	7.214	7.595	8.297	9.047	10.245	11.216	13.552	20.767	40.50
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.064	0.696	0.238	0.143	0.103	0.084	0.077	0.113	-0.019	-0.356	-0.254	0.301	0.33
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.700	0.700	0.400	0.40
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.700	0.700	0.400	0.40
KURTOSIS	9.020	3.062	2.246	2.694	2.755	2.960	2.998	2.916	2.732	3.119	2.570	2.445	2.40
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1964	1964	1963	1963	1963	1963	1956	1956	1970	1970	1956	1956	1956
RECORD MAXIMUM	9.020	9.100	9.290	12.390	12.810	13.460	14.220	15.320	16.090	17.610	19.350	32.570	61.00
NORMALIZED MAX	2.760	1.923	1.488	2.063	1.993	1.958	1.949	1.945	1.647	1.704	1.508	1.772	1.60
CALC. COEF. VAR	0.553	0.453	0.402	0.421	0.398	0.394	0.370	0.339	0.346	0.335	0.284	0.321	0.29
REGN. COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341	0.339	0.335	0.268	0.26
USED COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341	0.339	0.335	0.268	0.26
MEAN/A	0.882	1.200	1.436	1.638	1.782	1.875	2.048	2.234	2.529	2.769	3.346	5.127	1.000
RP10/A	1.297	1.797	2.138	2.458	2.833	2.952	2.919	3.375	3.675	4.024	4.840	7.437	1.352
RP25/A	1.321	2.139	2.459	2.653	3.012	3.212	3.454	3.747	4.202	4.600	5.550	8.535	1.803
RP50/A	1.682	2.398	2.812	3.162	3.422	3.539	3.788	4.097	4.565	5.072	6.043	9.298	1.606
RP100/A	1.837	2.630	3.058	3.458	3.741	3.853	4.108	4.429	4.906	5.403	6.511	10.020	1.700
RP1000/A	2.328	3.307	3.950	4.617	5.174	5.481	5.943	6.443	7.042	7.702	9.233	14.533	1.982
RP10000/A	2.766	4.157	4.746	5.284	5.706	5.774	6.038	6.412	6.883	7.934	9.257	14.267	2.232
PHP/A	5.524	7.880	9.295	10.482	11.299	11.692	12.495	13.625	15.468	16.851	20.159	31.122	50.00

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. ASN ORDER SUB F30 1761 0	STATION NAME HAPPY CAMP		ELEV 1040	SEC 11	TWP 16N	RNG LOT 07E	HMM N	LATITUDE 41-8-0	LONGITUDE 123-38.3	COUNTY CODE 47			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.48	5.04	6.13	7.07	7.83	8.49	9.59	10.76	12.98	14.44	17.79	26.06	52.86
5	4.88	6.97	8.37	9.59	10.54	11.39	12.74	14.26	17.09	19.38	23.40	34.36	65.59
10	5.66	8.18	9.84	11.20	12.35	13.22	14.49	16.39	19.52	22.27	26.77	39.34	72.81
20	6.18	9.37	11.21	12.71	14.00	14.91	16.47	18.32	21.66	24.88	29.78	43.79	79.06
25	6.40	9.74	11.64	13.18	14.51	15.43	17.02	19.11	22.31	25.68	30.70	45.15	80.94
40	6.51	10.51	12.52	14.34	15.76	16.50	18.15	20.11	23.63	27.32	32.43	47.51	84.71
50	7.08	10.87	12.94	14.59	16.06	16.78	18.47	20.44	24.24	28.07	33.43	49.18	86.43
100	7.73	11.47	14.20	15.95	17.55	18.31	20.25	22.35	26.35	30.35	36.01	53.00	91.54
200	8.17	13.06	15.43	17.28	19.00	19.47	21.77	23.94	27.78	32.54	38.49	56.66	96.35
1000	9.40	15.51	18.21	20.27	22.17	23.25	25.16	27.53	31.55	37.38	43.93	64.70	106.69
10000	11.77	16.92	22.06	24.38	26.77	27.73	29.76	32.35	36.55	43.51	51.20	75.46	120.11
PMP	23.25	35.87	42.76	48.36	53.01	56.16	61.58	68.75	82.13	93.26	111.50	164.62	270.16
MEAN	3.710	5.464	6.604	7.556	8.361	9.008	10.096	11.270	13.431	15.327	18.566	27.119	53.816
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.745	1.057	1.156	1.085	.876	.819	.475	.531	.782	.784	.681	.547	.391
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	3.299	4.315	4.640	4.357	3.863	3.724	3.011	3.274	3.466	4.540	3.029	2.674	2.988
N	38	34	38	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1951	1951	1951	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	5.350	10.340	12.540	14.080	15.680	16.780	18.570	21.050	26.040	32.100	35.140	48.370	87.130
NORMALIZED MAX	1.559	2.634	2.982	2.730	2.499	2.467	2.563	2.533	2.563	3.181	2.564	2.195	2.261
CALC. COEF. VAR	.284	.339	.335	.316	.324	.324	.328	.330	.353	.346	.350	.357	.274
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.341	.339	.335	.338	.268
MEAN/A	.0689	.1015	.1227	.1404	.1534	.1674	.1874	.2094	.2496	.2848	.3439	.5039	1.0000
RP10/A	.1014	.1520	.1828	.2082	.2295	.2457	.2730	.3046	.3626	.4138	.4974	.7310	1.3529
RP25/A	.1189	.1809	.2162	.2488	.2666	.2847	.3146	.3513	.4146	.4772	.5784	.8389	1.5039
RP50/A	.1315	.2020	.2404	.2711	.2983	.3150	.3469	.3841	.4504	.5216	.6211	.9130	1.6060
RP100/A	.1436	.2225	.2638	.2964	.3261	.3439	.3762	.4153	.4840	.5639	.6692	.9849	1.7009
RP1000/A	.1828	.2882	.3384	.3766	.4139	.4321	.4675	.5116	.5862	.6692	.8162	1.2023	1.9825
RP10000/A	.2186	.3516	.4100	.4530	.4975	.5154	.5536	.6011	.6791	.8159	.9514	1.4022	2.2320
PMP/A	.4319	.6885	.7946	.8985	.9451	1.0436	1.1443	1.2775	1.5261	1.7330	2.0719	3.0589	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. 85N ORDER SUB F30 4577 0	STATION NAME KLAMATH	ELEV 78	SEC 25	TWP 15 13N	RNG LOT 01E	HMM M	LATITUDE 41-51.7	LONGITUDE 124-03.3	COUNTY CODE 98				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.94	7.14	8.50	9.40	10.16	11.09	12.51	14.03	16.64	18.77	23.15	37.85	81.92
5	6.79	9.01	11.00	12.75	13.73	14.88	16.62	18.59	21.92	24.84	30.46	49.05	101.65
10	7.91	11.59	13.63	14.90	16.03	17.27	19.17	21.37	25.02	28.55	34.84	56.84	112.84
20	8.96	13.27	15.53	16.90	18.17	19.47	21.50	23.88	27.77	31.90	38.76	63.27	122.53
25	9.28	13.60	16.12	17.52	18.83	20.15	22.22	24.65	28.81	32.92	39.95	65.23	125.44
40	9.44	14.69	17.35	18.73	19.16	21.55	23.69	26.22	30.30	35.02	42.39	69.22	131.28
50	10.26	15.40	17.92	19.40	20.84	22.20	24.37	26.95	31.08	35.99	43.51	71.06	133.95
100	11.21	16.97	19.67	21.22	22.78	24.18	26.42	29.14	33.40	38.90	46.87	76.58	141.87
200	12.14	18.50	21.37	22.99	24.66	26.09	28.41	31.24	35.81	41.71	50.09	81.87	149.32
1000	14.21	21.98	25.23	28.96	28.91	30.37	32.83	35.90	40.45	47.92	57.17	93.49	165.35
10000	17.07	26.82	30.56	32.43	34.75	36.22	38.84	42.17	46.86	56.29	66.64	109.04	186.16
PMP	33.72	50.83	59.24	64.32	68.80	73.36	80.37	89.63	105.30	119.56	145.12	237.86	418.69
MEAN	5.382	7.743	9.149	10.050	10.852	11.765	13.175	14.693	17.221	19.648	24.086	39.186	63.405
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.699	1.109	.920	.673	.695	.874	.487	.479	.482	.490	.579	1.315	.047
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	4.129	5.645	4.544	3.853	3.928	3.643	2.781	2.690	2.840	2.878	3.182	5.785	2.919
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1972	1972	1951	1951	1972	1972	1972	1972	1970	1965	1965	1946	1974
RECORD MAXIMUM	8.900	13.950	15.740	16.370	18.000	19.200	20.500	22.100	27.200	30.120	37.370	80.180	195.070
NORMALIZED MAX	1.091	2.528	2.582	2.481	2.471	2.522	2.362	2.168	2.105	2.324	3.351	2.199	
CALC. COEF. VAR	.328	.317	.279	.260	.267	.250	.239	.248	.267	.253	.237	.312	.194
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0645	.0928	.1097	.1205	.1301	.1411	.1580	.1762	.2065	.2356	.2888	.4490	1.0000
RP10/A	.0949	.1390	.1634	.1787	.1922	.2071	.2299	.2562	.3000	.3423	.4177	.6815	1.3529
RP25/A	.1113	.1655	.1933	.2101	.2258	.2416	.2664	.2955	.3430	.3940	.4790	.7821	1.5039
RP50/A	.1231	.1847	.2140	.2326	.2490	.2662	.2921	.3231	.3726	.4315	.5216	.8520	1.6060
RP100/A	.1344	.2034	.2358	.2554	.2731	.2899	.3188	.3493	.4005	.4665	.5620	.9182	1.7009
RP1000/A	.1704	.2535	.3025	.3232	.3466	.3651	.3936	.4304	.4950	.5745	.6855	1.1210	1.9825
RP10000/A	.2046	.3215	.3664	.3988	.4166	.4343	.4657	.5057	.5818	.6749	.7990	1.3073	2.2320
PMP/A	.4043	.6095	.7103	.7712	.8249	.8795	.9636	1.0746	1.2626	1.4335	1.7399	2.8519	5.0200

PEARSON TYPE III DISTRIBUTION USED
PROBABILE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F30 6328 0	STATION NAME OAK KNOLL RANGER STATION	ELEV 1963	SEC 12	TWP 46N	RNG LOT 09W	BM M	LATITUDE 41.833	LONGITUDE 122.050	COUNTY CODE 47				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.07	2.89	3.63	4.04	4.36	4.68	5.17	5.82	6.69	7.28	8.35	12.84	26.33
5	2.78	3.97	4.95	5.47	5.89	6.27	6.86	7.71	8.81	9.64	10.98	16.93	32.68
10	3.24	4.70	5.62	6.40	6.88	7.28	7.92	8.87	10.06	11.08	12.56	19.38	36.27
20	3.67	5.38	6.63	7.26	7.79	8.21	8.88	9.91	11.16	12.18	13.97	21.57	39.39
25	3.81	5.59	6.88	7.52	8.08	8.50	9.17	10.23	11.50	12.78	14.40	22.24	40.32
40	3.67	6.03	7.40	7.66	8.22	8.69	9.79	10.88	12.18	13.59	15.28	23.60	42.20
50	4.21	6.24	7.65	8.33	8.86	9.36	10.18	11.16	12.49	13.94	15.68	24.23	43.06
100	4.60	6.87	8.39	9.11	9.77	10.20	10.91	12.09	13.42	15.10	16.90	26.11	45.61
200	4.97	7.50	9.12	9.87	10.58	11.00	11.73	12.96	14.31	16.19	18.06	27.91	48.00
1000	5.83	8.91	10.77	11.58	12.40	12.81	13.56	14.90	16.26	18.59	20.61	31.68	53.16
10000	7.00	10.87	13.05	13.92	14.90	15.28	16.04	17.50	18.83	21.84	24.02	37.18	59.85
PMP	13.82	20.60	25.29	27.62	29.50	30.94	33.19	37.20	42.33	46.39	52.31	81.10	134.60
MEAN	2.206	3.137	3.905	4.315	4.654	4.962	5.440	6.098	6.922	7.624	8.682	13.360	26.813
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.148	.284	.339	.341	.349	.358	.376	.382	.378	.386	1.299	.527	.130
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.140	3.136	2.974	2.888	3.567	3.346	4.052	5.056	5.150	6.344	7.790	3.118	3.131
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1972	1974	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1974
RECORD MAXIMUM	2.930	4.980	6.350	7.840	8.940	9.300	10.550	12.411	14.440	16.290	17.890	24.380	43.230
NORMALIZED MAX	1.238	1.744	1.819	2.047	2.388	2.302	2.614	2.874	2.904	3.126	3.376	2.386	2.186
CALC. COEF. VAR	.245	.337	.344	.358	.380	.380	.359	.360	.374	.384	.314	.346	.280
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0823	.1170	.1457	.1609	.1736	.1850	.2029	.2274	.2581	.2843	.3238	.4298	1.0000
RP10/A	.1210	.1751	.2169	.2386	.2564	.2716	.2953	.3307	.3751	.4132	.4684	.7983	1.3529
RP25/A	.1619	.2085	.2566	.2806	.3012	.3170	.3422	.3815	.4288	.4765	.5371	.8295	1.5039
RP50/A	.2328	.2853	.3107	.3333	.3542	.3732	.4012	.4588	.5208	.5845	.6598	1.0000	1.6000
RP100/A	.3714	.4564	.5131	.5398	.5643	.5802	.6069	.6509	.7007	.7630	.8301	.9738	1.7009
RP1000/A	.2172	.3321	.4016	.4317	.4623	.4777	.5056	.5556	.6064	.6935	.7688	1.1888	1.9825
RP10000/A	.2809	.4052	.4866	.5193	.5557	.5697	.5981	.6528	.7024	.8146	.8959	1.3865	2.3220
PMP/A	.5155	.7661	.9431	1.0301	1.1004	1.1537	1.2377	1.3872	1.5766	1.7302	1.9510	3.0246	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F30 6508 0	STATION NAME ORLEANS	ELEV 416	SEC 03	TWP 31	RNG LOT 11N	BM 06E	LATITUDE 41.300	LONGITUDE 123.533	COUNTY CODE 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.17	4.44	5.34	6.03	6.55	7.22	8.24	9.39	11.17	12.42	15.62	23.51	49.71
5	4.27	6.10	7.29	8.18	8.86	9.69	10.94	12.44	14.71	16.44	20.55	31.00	61.68
10	4.97	7.20	8.56	9.56	10.34	11.24	12.62	14.30	16.80	18.89	23.51	38.49	68.47
20	5.63	8.25	9.76	10.85	11.72	12.68	14.15	15.98	18.64	21.10	26.15	39.51	74.35
25	5.83	8.58	10.13	11.25	12.15	13.12	14.62	16.50	19.20	21.78	26.96	40.73	76.12
40	5.93	9.26	10.90	11.44	12.36	13.43	15.59	17.55	20.34	23.17	28.40	43.22	79.66
50	6.45	9.57	11.28	12.45	13.44	14.46	16.04	18.04	20.86	23.81	29.35	44.37	81.28
100	7.05	10.55	12.36	13.62	14.69	15.74	17.39	19.50	22.42	25.74	31.62	47.82	86.08
200	7.63	11.50	13.43	14.75	15.91	16.99	18.70	20.91	23.91	27.60	33.80	51.12	96.61
1000	8.93	13.68	15.86	17.30	18.64	19.78	21.81	24.03	27.15	31.70	38.57	58.38	100.34
10000	10.72	16.67	19.21	20.80	22.41	23.59	25.57	28.23	31.46	37.24	44.96	68.08	112.96
PMP	21.19	31.60	37.23	41.28	44.37	47.77	52.90	59.99	70.69	79.10	97.92	148.52	254.07
MEAN	3.382	4.813	5.750	6.450	6.999	7.661	8.673	9.834	11.561	13.000	16.252	24.468	50.611
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.700	1.525	1.326	1.059	1.181	1.029	.817	.687	.700	.804	.580	.516	.366
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	8.340	7.219	6.937	5.185	5.344	4.983	4.059	3.940	3.605	4.056	3.469	2.959	3.000
N	72	72	72	72	72	72	72	72	72	72	72	72	72
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1974
RECORD MAXIMUM	7.360	11.070	13.630	14.500	15.730	16.790	18.890	20.870	24.120	26.480	32.080	45.880	82.910
NORMALIZED MAX	3.667	3.603	4.100	3.34	3.74	3.563	3.537	3.327	3.489	3.037	2.687	2.527	2.368
CALC. COEF. VAR	.322	.333	.334	.333	.333	.334	.333	.321	.337	.341	.321	.336	.254
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0068	.00951	.01136	.01274	.01383	.01514	.01714	.01943	.02284	.02569	.03211	.04835	1.0000
RP10/A	.0093	.01423	.01692	.01890	.02043	.02222	.02494	.02826	.03319	.03732	.04445	.07013	1.3529
RP25/A	.0153	.02088	.02422	.02600	.02759	.02937	.03280	.03725	.04304	.04945	.05837	.08684	1.5039
RP50/A	.0274	.03692	.04225	.04640	.05055	.05470	.06015	.06744	.07612	.08612	.09845	.14867	1.6000
RP100/A	.0392	.05204	.06042	.06690	.07202	.07617	.08263	.09043	.09966	.01108	.01248	.01849	1.7009
RP1000/A	.01764	.02599	.03133	.03418	.03684	.03908	.04270	.04747	.05365	.06044	.06822	.10355	1.9825
RP10000/A	.02119	.03294	.03795	.04111	.04368	.04661	.05052	.05577	.06216	.06968	.07932	.12352	2.3220
PMP/A	.04196	.06243	.07356	.08156	.08768	.09338	.10043	.10853	.11968	.013630	.015347	.023436	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB F30 8025 0	STATION NAME SAWTEHS RAR	ELEV 2169	SEC 20	TWP 40N	RNG LOT 11W	RMM M	LATITUDE 41.300	LONGITUDE 123.133	COUNTY CODE 47				
MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.29	4.61	5.74	6.48	7.00	7.55	8.61	9.40	10.96	12.25	14.77	21.54	46.65
5	4.43	6.34	7.84	8.79	9.46	10.13	11.43	12.45	14.43	16.21	19.43	28.40	56.65
10	5.14	7.49	9.21	10.27	11.05	11.76	13.19	14.32	16.48	18.63	22.23	32.52	62.88
20	6.84	8.58	10.50	11.65	12.52	13.26	14.79	16.00	18.29	20.41	24.73	36.20	68.29
25	6.05	8.92	10.90	12.08	12.98	13.72	15.29	16.51	18.84	21.48	25.49	37.32	69.91
40	6.16	9.42	11.73	12.29	13.20	14.68	16.30	17.57	19.95	22.85	27.04	39.60	73.17
50	6.69	9.95	12.11	13.37	14.36	15.12	16.76	18.05	20.46	23.47	27.75	40.65	74.05
100	7.31	10.96	13.29	14.63	15.69	16.44	18.14	19.55	22.19	25.38	29.90	43.81	79.59
200	7.91	11.95	14.45	15.85	16.99	17.77	19.55	21.33	23.45	27.21	31.95	46.84	83.22
1000	9.26	14.20	17.05	18.58	19.92	20.68	22.59	24.05	26.64	31.26	36.47	53.48	92.15
10000	11.12	17.33	20.66	22.35	23.94	24.67	26.72	28.25	30.86	36.73	42.51	62.38	101.75
PMP	21.98	32.84	40.05	44.34	47.40	49.95	55.30	60.04	69.35	78.00	92.58	136.07	233.34
MEAN	3.508	5.003	6.185	6.928	7.477	8.011	9.065	9.843	11.340	12.819	15.365	22.417	46.482
CLOCK HR. COR.	1.140	1.670	1.964	2.020	2.101	2.161	2.408	2.508	2.800	3.000	3.500	5.000	1.000
CALCULATED SKEW	1.196	1.231	1.04	1.04	1.04	1.079	1.788	1.870	2.547	2.967	3.905	7.45	1.301
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.600	1.800	2.700	7.00	1.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.600	1.800	2.700	7.00	1.400
KURTOSIS	2.245	2.107	2.278	2.871	3.042	3.121	3.879	4.694	3.678	4.627	3.734	2.977	2.999
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1951	1965	1951	1965	1951	1965	1951	1965	1951	1965	1951	1965	1951
RECORD MAXIMUM	4.590	7.090	9.170	10.960	11.810	13.280	16.110	17.73	19.980	24.010	27.100	38.110	73.20
NORMALIZED MAX	1.174	1.428	1.578	1.872	1.874	2.092	2.491	2.715	2.429	2.782	2.417	2.079	2.288
CALC. COEF. VAR	.263	.292	.306	.311	.308	.314	.313	.295	.314	.314	.316	.337	.253
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0755	.1076	.1331	.1490	.1609	.1723	.1958	.2118	.2440	.2758	.3306	.4823	1.0000
NP10/A	.1110	.1611	.1982	.2210	.2376	.2530	.2838	.3081	.3545	.4007	.4782	.6995	1.3529
NP25/A	.1302	.1918	.2344	.2599	.2792	.2952	.3289	.3553	.4053	.4621	.5483	.8028	1.6039
NP50/A	.1440	.2141	.2608	.2877	.3089	.3252	.3607	.3884	.4403	.5051	.5971	.8746	1.6060
NP100/A	.1572	.2359	.2860	.3147	.3376	.3542	.3911	.4199	.4732	.5461	.6432	.9425	1.7009
NP1000/A	.1993	.3055	.3669	.3998	.4285	.4449	.5060	.5173	.5731	.6726	.7846	1.1506	1.9825
NP10000/A	.2393	.3728	.4445	.4809	.5150	.5306	.5749	.6078	.6639	.7901	.9146	1.3420	2.2320
PMP/A	.4728	.7666	.8616	.9439	1.0198	1.0746	1.1896	1.2917	1.4919	1.6782	1.9916	2.9274	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB F40 738 0	STATION NAME BIG BAR RANGER STATION	ELEV 1270	SEC 05	TWP 33N	RNG LOT 12W	RMM M	LATITUDE 40.744	LONGITUDE 123.245	COUNTY CODE 53				
MAXIMUM PRECIPITATION FOR INDICATED DURATION T-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.95	3.91	4.72	5.28	5.93	6.48	7.48	8.28	9.63	10.80	13.52	20.09	39.03
5	3.97	5.37	6.44	7.16	8.01	8.70	9.93	10.97	12.69	14.30	17.79	26.49	48.43
10	4.62	6.34	7.57	8.37	9.36	10.16	11.46	12.61	14.49	16.43	20.34	30.33	53.76
20	5.23	7.26	8.63	9.49	10.60	11.38	12.85	14.09	16.08	18.30	22.63	33.76	58.38
25	5.42	7.55	8.96	9.84	10.99	11.78	13.28	14.55	16.56	18.95	23.33	34.80	59.76
40	5.52	8.15	9.64	10.61	11.88	12.60	14.15	15.47	17.54	20.16	24.75	36.93	62.55
50	6.00	8.43	9.96	10.90	12.16	12.98	14.58	15.91	17.99	20.71	25.40	37.91	63.62
100	6.55	9.29	10.93	11.92	13.29	14.13	15.79	17.19	19.34	22.39	27.37	40.86	67.59
200	7.09	10.13	11.87	12.91	14.39	15.25	16.94	18.44	20.62	24.01	29.25	43.68	71.14
1000	8.30	12.03	14.02	15.14	16.87	17.75	19.62	21.14	23.42	27.58	33.38	49.88	78.78
10000	9.97	14.68	16.98	18.21	20.32	21.18	23.21	24.89	27.13	32.40	38.91	58.17	84.69
PMP	19.70	27.82	32.91	36.13	40.15	42.88	48.03	52.90	60.97	68.82	84.74	126.90	199.48
MEAN	3.144	4.238	5.083	5.645	6.333	6.878	7.873	8.671	9.970	11.309	14.064	20.908	39.736
CLOCK HR. COR.	1.140	1.670	1.964	1.920	1.911	1.910	1.900	1.800	1.600	1.400	1.000	1.000	1.000
CALCULATED SKEW	.060	.631	.823	.811	.719	.815	.475	.432	.459	.768	.541	1.572	1.324
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.800	.800	.600	.800	.700	.700	.400
KURTOSIS	2.461	2.809	3.045	3.200	3.411	3.374	3.313	3.546	3.415	4.680	2.364	2.677	2.383
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1951	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	4.350	7.649	8.750	9.820	10.800	11.620	13.440	15.070	17.720	21.890	23.610	34.120	59.430
NORMALIZED MAX	1.258	1.776	2.081	2.192	2.065	2.028	2.215	2.444	2.480	2.762	2.090	1.982	1.913
CALC. COEF. VAR	.305	.372	.347	.337	.327	.335	.319	.302	.313	.339	.321	.319	.259
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0791	.1066	.1279	.1421	.1594	.1731	.1981	.2182	.2509	.2846	.3539	.5261	1.0000
NP10/A	.1164	.1596	.1995	.2106	.2355	.2540	.2883	.3174	.3646	.4135	.5120	.7632	1.3529
NP25/A	.1365	.1901	.2254	.2477	.2766	.2965	.3341	.3661	.4168	.4769	.5871	.8758	1.6039
NP50/A	.1509	.2121	.2505	.2743	.3060	.3266	.3648	.4002	.4528	.5213	.6393	.9510	1.6060
NP100/A	.1648	.2337	.2750	.2999	.3345	.3557	.3974	.4327	.4867	.5635	.6887	1.0282	1.7009
NP1000/A	.2089	.3027	.3527	.3811	.4245	.4448	.4937	.5331	.5894	.6941	.8401	1.2553	1.9825
NP10000/A	.2509	.3694	.4273	.4584	.5103	.5329	.5841	.6264	.6828	.8154	.9793	1.4640	2.2320
PMP/A	.4957	.7701	.8282	.9092	1.0105	1.0792	1.2886	1.3312	1.5343	1.7318	2.1325	3.1936	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB F40 1731 0	STATION NAME CHINA FLAT	ELEV 366	SEC 000	TWP 2N	RNG 04N	LOT 05E	HWM H	LATITUDE 40.465	LONGITUDE 123.585	COUNTY CODE 53			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.94	4.13	4.78	5.29	5.40	6.42	7.24	7.91	9.73	10.91	13.61	20.21	47.40
5	4.01	5.67	6.53	7.17	7.49	8.61	9.62	10.88	12.82	14.31	17.91	26.86	57.61
10	4.67	6.70	7.87	8.38	8.32	9.99	11.09	12.05	14.44	16.45	20.49	30.52	58.40
20	5.39	7.67	8.74	9.51	10.59	11.27	12.44	13.47	16.25	18.38	22.79	33.97	63.42
25	5.48	7.97	9.07	9.86	10.94	11.66	12.85	13.40	16.73	18.97	23.50	35.02	64.92
40	5.58	8.61	9.77	10.03	11.13	12.47	13.70	14.79	17.72	20.18	24.93	37.16	67.95
50	5.60	8.90	10.09	10.91	12.11	12.45	14.10	15.20	18.18	20.73	25.58	38.15	69.33
100	6.62	9.81	11.07	11.93	13.24	13.99	15.29	16.43	19.54	22.42	27.56	41.12	73.43
200	7.17	10.69	12.03	12.93	14.33	15.10	16.44	17.62	20.83	23.04	29.46	43.95	77.29
1000	8.39	12.70	14.20	15.10	16.40	17.57	19.00	20.24	23.66	27.41	33.62	50.19	84.58
10000	10.08	15.50	17.21	18.24	20.19	20.74	22.47	23.78	27.41	32.43	39.19	58.54	94.35
PMP	19.91	29.38	33.35	36.17	39.99	42.44	46.50	50.54	61.60	68.85	84.34	127.70	216.71
MEAN	3.179	4.475	5.150	5.652	6.395	6.807	7.623	8.286	10.073	11.321	14.164	21.038	43.169
CLOCK HR. COR.	1.144	1.478	1.640	1.020	1.013	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.715	1.225	.984	.628	.261	.090	.289	.260	.937	.652	.582	.706	.779
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.400	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.400	.800	.600	.800	.700	.700	.400
KURTOSIS	13.537	5.767	4.750	4.192	3.404	3.161	2.950	2.486	3.421	3.227	2.895	2.932	3.471
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1915	1915	1915	1915	1915	1915	1927	1927	1927	1927	1914	1938	1927
RECORD MAXIMUM	7.10	8.764	9.550	10.350	10.940	11.110	12.390	13.320	17.530	19.490	24.760	34.380	71.320
NORMALIZED MAX	3.379	2.817	2.510	2.522	2.293	1.949	2.100	1.972	2.220	2.149	2.233	2.021	2.339
CALC. COEF. VAR	.367	.340	.330	.320	.321	.296	.308	.319	.319	.319	.314	.314	.279
REGION. COEF. VAR	.351	.371	.365	.360	.356	.340	.340	.341	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.340	.340	.341	.341	.339	.335	.338	.268
MEAN/A	.0736	.1037	.1193	.1309	.1461	.1577	.1766	.1919	.2333	.2622	.3281	.4873	1.0000
HP10/A	.1483	.1551	.1777	.1941	.2158	.2315	.2570	.2792	.3394	.3810	.4746	.7069	1.3529
HP25/A	.1270	.1444	.1502	.1283	.2335	.2701	.2978	.3220	.3876	.4364	.5443	.8113	1.5039
HP50/A	.1404	.2062	.2337	.2528	.2895	.2976	.3268	.3521	.4211	.4803	.5926	.8838	1.0000
RP100/A	.1514	.2271	.2565	.2764	.3066	.3240	.3541	.3806	.4526	.5192	.6385	.9524	1.7009
RP1000/A	.1444	.2042	.2290	.2512	.2891	.3071	.3400	.3689	.4581	.5306	.7788	1.1627	1.9825
RP10000/A	.2335	.3594	.3986	.4224	.4677	.4855	.5265	.5510	.6349	.7513	.9079	1.3561	2.2320
PMP/A	.4613	.6805	.7725	.8390	.9262	.9432	1.1772	1.1708	1.4265	1.5957	1.9769	2.9581	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB F40 3859 0	STATION NAME HATFORK HANGER STATION	ELEV 2340	SEC 12	TWP 31N	RNG 12W	LOT H	HWM H	LATITUDE 40.550	LONGITUDE 123.147	COUNTY CODE 53			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 1-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.92	3.99	4.74	5.10	5.74	6.26	7.22	7.90	9.17	10.44	12.77	18.99	35.49
5	3.93	5.44	6.47	7.00	7.76	8.39	9.60	10.33	12.09	13.82	16.80	25.04	44.54
10	4.58	6.48	7.60	8.18	9.06	9.74	11.07	11.88	13.80	15.88	19.21	28.66	49.44
40	5.18	7.42	8.66	9.28	10.27	10.94	12.41	13.27	15.32	17.75	21.38	31.91	53.68
25	5.17	7.72	8.99	9.62	10.65	11.37	12.83	13.70	15.78	18.32	22.03	32.90	54.96
40	5.46	8.33	9.67	9.79	10.83	12.16	13.67	14.57	16.71	19.48	23.37	34.91	57.52
50	5.93	8.61	9.99	10.65	11.78	12.53	14.07	14.98	17.14	20.02	23.99	35.84	58.69
100	6.48	9.49	10.97	11.65	12.88	13.64	15.25	16.19	18.42	21.64	25.85	38.62	67.15
200	7.02	10.35	11.92	12.62	13.94	14.72	16.40	17.36	19.64	23.21	27.62	41.29	65.42
1000	8.22	12.27	14.07	14.80	16.34	17.13	19.95	19.95	22.31	26.66	31.53	47.15	72.44
10000	9.87	15.00	17.05	17.80	19.44	20.43	22.42	23.44	25.84	31.32	36.75	54.99	81.56
PMP	19.50	28.43	33.04	35.32	38.49	41.38	46.40	49.82	58.07	66.52	80.03	119.95	183.43
MEAN	3.112	4.331	5.103	5.518	6.135	6.637	7.606	8.166	9.497	10.931	13.243	19.761	36.541
CLOCK HR. COR.	1.140	1.779	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.0609	.631	.290	.219	.309	.312	.217	-.0991	.002	.322	.441	1.163	.999
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.400	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.400	.800	.600	.800	.700	.700	.400
KURTOSIS	2.094	3.373	2.846	2.806	3.263	3.426	2.948	2.825	2.472	2.701	2.762	7.937	2.586
N	25	25	25	25	25	25	25	25	25	24	25	25	25
RECORD YEAR	1959	1954	1965	1956	1956	1954	1954	1965	1965	1965	1956	1958	1958
RECORD MAXIMUM	4.000	7.250	7.750	8.500	10.140	11.190	12.000	12.330	13.460	17.970	22.660	45.970	54.300
NORMALIZED MAX	2.770	2.097	1.784	1.402	2.188	2.306	2.704	1.964	1.573	2.178	2.065	3.459	2.001
CALC. COEF. VAR	.270	.321	.291	.300	.240	.298	.280	.274	.265	.296	.266	.383	.244
REGION. COEF. VAR	.351	.371	.365	.360	.356	.340	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.340	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0452	.1185	.1396	.1510	.1679	.1816	.2082	.2235	.2599	.2992	.3635	.5408	1.0000
HP10/A	.1252	.1774	.2080	.2230	.2480	.2686	.3024	.3278	.3776	.4347	.5258	.7844	1.3529
HP25/A	.1069	.2112	.2440	.2633	.2914	.3111	.3510	.3744	.4317	.5013	.6030	.9003	1.5039
HP50/A	.1624	.2358	.2735	.2915	.3224	.3478	.3850	.4099	.4690	.5479	.6566	.9807	1.6030
RP100/A	.1774	.2597	.3002	.3188	.3524	.3732	.4175	.4432	.5041	.5923	.7073	1.0569	1.7009
RP1000/A	.2248	.3364	.3851	.4051	.4472	.4689	.5187	.5444	.6105	.7296	.8626	1.2793	1.9825
RP10000/A	.2770	.4104	.4655	.4873	.5592	.5816	.6415	.7072	.8570	1.0057	1.5048	2.2320	3.6500
PMP/A	.5335	.7780	.9042	.9655	1.0645	1.1325	1.2598	1.3533	1.5893	1.9203	2.1901	3.2826	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F40 4082 0	STATION NAME HOUFA	ELEV 350	SEC 25	T&P 0M4	RNG LOT 04E	RMM M	LATITUDE 41.000	LONGITUDE 123.667	COUNTY CODE 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.73	5.59	6.67	7.69	8.57	9.15	10.47	11.66	13.47	15.03	18.54	27.44	56.60
5	5.43	7.68	9.11	10.43	11.58	12.27	13.91	15.42	17.74	19.90	24.40	36.18	70.24
10	6.33	9.07	10.70	12.19	13.52	14.24	16.05	17.72	20.26	22.87	27.91	41.42	77.97
20	7.17	11.39	12.59	13.83	15.33	16.08	17.99	19.81	22.49	25.55	31.05	46.11	84.67
25	7.42	10.80	12.66	14.34	15.89	16.62	18.59	20.45	23.16	26.37	32.00	47.53	86.67
40	7.45	11.66	13.63	14.58	16.16	17.77	19.82	21.75	24.53	28.05	33.95	50.44	90.71
50	8.21	12.06	14.08	15.87	17.58	18.31	20.39	22.35	25.16	28.82	34.85	51.78	92.56
100	8.97	13.28	15.45	17.36	19.21	19.93	22.11	24.17	27.94	31.16	37.54	55.81	98.03
200	9.71	14.44	16.79	18.80	20.61	21.51	23.78	25.91	29.83	33.41	40.12	59.66	103.18
1000	11.36	17.20	19.82	22.05	24.39	25.04	27.48	29.77	32.75	38.38	45.79	68.13	114.25
10000	13.65	21.94	24.01	26.53	29.31	29.87	32.50	34.98	37.44	45.09	53.38	79.46	128.63
PMP	26.94	39.74	44.53	52.62	58.04	60.49	67.26	74.34	85.26	95.76	110.24	173.33	289.31
MEAN	4.364	6.610	7.186	8.221	9.155	9.701	11.027	12.187	13.942	15.738	19.293	28.555	57.631
CLOCK HR. COR.	1.146	1.071	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.315	2.172	1.711	1.665	1.595	1.595	1.396	1.401	1.168	1.847	1.650	1.933	-0.117
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	10.367	9.262	6.681	6.568	6.907	6.953	6.894	6.753	5.963	6.696	7.569	4.335	2.587
n	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	8.440	14.230	16.230	18.080	19.280	20.130	22.600	24.57	27.730	32.960	36.340	51.060	76.400
NORMALIZED MAX	2.703	3.004	2.862	2.942	3.040	3.042	3.076	3.030	2.915	3.295	3.143	2.583	1.700
CALC. COEF. VAR	.357	.448	.440	.408	.364	.353	.341	.335	.339	.332	.261	.305	.192
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0747	.1052	.1247	.1427	.1588	.1683	.1913	.2115	.2419	.2731	.3348	.4955	1.0000
RP10/A	.1098	.1574	.1857	.2115	.2347	.2471	.2784	.3076	.3515	.3968	.4843	.7187	1.3529
RP25/A	.1288	.1874	.2197	.2487	.2757	.2883	.3226	.3548	.4019	.4576	.5553	.8248	1.5039
RP50/A	.1424	.2092	.2442	.2754	.3050	.3177	.3533	.3874	.4365	.5002	.6047	.8985	1.6060
RP100/A	.1556	.2304	.2680	.3012	.3334	.3459	.3837	.4193	.4692	.5407	.6514	.9683	1.7008
RP1000/A	.1972	.2985	.3438	.3827	.4231	.4345	.4768	.5166	.5682	.6660	.7946	1.1821	1.8825
RP10000/A	.2368	.3642	.4106	.4603	.5086	.5193	.5640	.6076	.6583	.7823	.9262	1.3787	2.2320
PMP/A	.4674	.6904	.8074	.9130	1.0071	1.0495	1.1571	1.2899	1.4793	1.6617	2.0170	3.0075	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F40 7698 0	STATION NAME SALYER RANGER STATION	ELEV 623	SEC 14	T&P 0M1	RNG LOT 05E	RMM M	LATITUDE 40.883	LONGITUDE 123.583	COUNTY CODE 53				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.60	4.60	5.54	6.34	6.91	7.46	8.63	9.61	11.36	12.66	15.85	23.86	48.43
5	4.44	6.32	7.56	8.59	9.34	10.01	11.46	12.72	14.96	16.75	20.86	31.46	60.10
10	5.65	7.46	8.89	10.04	10.90	11.62	13.22	14.62	17.08	19.25	23.85	36.01	66.71
20	6.39	8.55	10.13	11.39	12.36	13.10	14.83	16.34	18.96	21.51	26.54	40.09	72.44
25	6.62	8.84	10.52	11.81	12.81	13.56	15.32	16.87	19.53	22.20	27.36	41.33	74.16
40	6.74	9.59	11.32	12.62	13.63	14.50	16.33	17.95	20.69	23.61	29.02	43.66	77.62
50	7.32	9.92	11.69	13.08	14.17	14.94	16.80	18.44	21.22	24.27	29.78	45.03	79.19
100	8.00	10.93	12.83	14.30	15.49	16.27	18.22	19.94	22.81	26.23	32.69	48.52	83.87
200	8.66	11.91	13.94	15.49	16.78	17.55	19.59	21.36	24.32	28.13	34.30	51.87	88.28
1000	10.14	14.15	16.46	18.17	19.66	20.43	22.64	24.57	27.62	32.31	39.14	59.24	97.76
10000	12.18	17.27	19.74	21.86	23.63	24.37	26.78	28.68	32.00	37.96	45.63	69.09	110.06
PMP	24.06	32.73	38.64	43.36	46.80	49.35	55.42	61.34	71.90	80.62	94.36	150.71	247.53
MEAN	3.840	4.986	5.968	6.775	7.341	7.916	9.085	10.056	11.759	13.249	16.491	24.828	49.310
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.399	2.400	2.148	1.830	1.577	1.593	1.288	1.367	1.226	1.380	1.037	.895	.503
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	4.697	10.877	9.249	8.050	6.736	6.600	5.762	5.984	6.151	6.884	4.430	3.434	3.026
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	6.950	11.750	13.750	15.270	15.780	16.270	17.960	19.62	23.110	26.680	29.280	42.050	72.600
NORMALIZED MAX	2.094	3.285	3.318	3.270	3.134	3.084	3.040	3.061	3.102	3.207	2.436	2.225	2.107
CALC. COEF. VAR	.374	.413	.393	.383	.363	.342	.320	.308	.311	.316	.318	.326	.224
REGION. COEF. VAR	.351	.371	.365	.360	.356	.346	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0779	.1011	.1210	.1374	.1497	.1605	.1842	.2039	.2385	.2687	.3344	.5035	1.0000
RP10/A	.1145	.1513	.1803	.2037	.2212	.2356	.2681	.2966	.3465	.3904	.4638	.7304	1.3524
RP25/A	.1341	.1802	.2133	.2396	.2598	.2750	.3107	.3421	.3981	.4502	.5548	.8382	1.5039
RP50/A	.1485	.2011	.2371	.2652	.2874	.3030	.3407	.3741	.4303	.4849	.6041	.9131	1.6060
RP100/A	.1622	.2216	.2602	.2901	.3142	.3299	.3695	.4044	.4625	.5320	.6508	.9841	1.7009
RP1000/A	.2056	.2870	.3338	.3685	.3987	.4144	.4551	.4982	.5653	.6533	.7938	1.2013	1.9825
RP10000/A	.2489	.3592	.4144	.4633	.5093	.5253	.5763	.6293	.7089	.8251	1.1011	1.8251	3.0200
PMP/A	.4879	.6638	.7837	.8793	.9491	1.0009	1.1239	1.2444	1.4582	1.6350	2.0150	3.0584	5.0200

PEAKSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F40 949C 0	STATION NAME WEAVERVILLE	ELEV 2050	SEC 12	TWP 34N	RNG LOT 10W	HMM M	LATITUDE 40-73.3	LONGITUDE 122-93.3	COUNTY COO 53				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.84	3.77	4.43	5.03	5.54	6.02	6.93	7.69	8.93	9.99	12.00	17.89	35.84
5	3.82	5.14	6.04	6.82	7.44	8.17	9.21	10.19	11.76	13.23	15.76	23.59	44.48
10	4.45	6.12	7.10	7.97	8.74	9.37	10.62	11.72	13.43	15.20	18.05	27.01	49.37
20	5.44	7.00	8.09	9.04	9.99	10.57	11.91	13.09	14.91	16.98	20.08	30.07	53.81
25	5.22	7.22	8.40	9.37	10.26	10.94	12.31	13.51	15.35	17.53	20.70	31.00	54.88
40	5.31	7.06	9.04	9.53	10.44	11.70	13.12	14.38	16.26	18.64	21.96	32.90	57.44
50	6.37	8.13	9.33	10.37	11.33	12.05	13.50	14.77	16.68	19.16	22.54	33.77	58.61
100	6.70	8.95	10.24	11.34	12.41	13.12	14.64	15.97	17.93	20.71	24.29	36.39	62.07
200	6.89	9.76	11.13	12.29	13.44	14.16	15.74	17.13	19.11	22.21	25.96	38.91	65.34
1000	7.04	11.60	13.14	14.41	15.75	16.44	18.18	19.68	21.71	25.51	29.62	44.43	72.35
10000	9.60	14.15	15.92	17.34	18.93	19.66	21.51	23.12	25.15	29.97	34.53	51.82	81.45
PMF	14.96	26.62	31.46	34.39	37.44	39.02	44.51	49.14	56.52	63.66	75.20	113.04	183.20
MEAN	3.026	4.086	4.766	5.374	5.914	6.386	7.298	8.056	9.242	10.461	12.481	18.622	36.494
CLOCK NR. COV.	1.140	1.779	1.040	1.020	1.014	1.010	1.000	1.001	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.044	0.952	0.898	0.851	0.800	0.804	0.792	0.789	0.789	0.789	0.789	0.789	0.789
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.800	0.700	0.700	0.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.800	0.700	0.700	0.400
KURTOSIS	3.641	2.500	2.824	2.560	3.036	3.408	2.429	2.305	2.500	3.238	2.663	2.693	2.827
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1949	1949	1965	1965	1965	1956	1956	1965	1965	1956	1956	1956	1958
RECORD MAXIMUM	5.171	6.496	6.320	6.050	6.900	11.152	12.010	13.26	16.900	19.670	21.930	33.660	61.330
NORMALIZED MAX	1.724	1.724	2.263	2.263	2.269	2.536	2.183	2.044	2.266	2.701	2.278	2.378	2.589
CALC. COEF. VAR	0.345	0.341	0.310	0.302	0.297	0.292	0.296	0.315	0.323	0.326	0.332	0.340	0.264
REGN. COEF. VAR	0.351	0.371	0.305	0.300	0.356	0.349	0.340	0.340	0.341	0.339	0.335	0.338	0.268
USED COEF. VAR	0.351	0.371	0.305	0.300	0.356	0.349	0.340	0.340	0.341	0.339	0.335	0.338	0.268
MEAN/A	0.8929	1.1121	1.3045	1.4721	1.6220	1.7580	2.0000	2.2027	2.5333	2.8666	3.4200	5.1033	1.0000
RP10/A	1.2191	1.6778	1.9451	2.1833	2.3940	2.5880	2.9100	3.2140	3.6800	4.1650	4.9470	7.4020	1.3529
RP25/A	1.4360	1.9950	2.3010	2.5670	2.8120	2.9970	3.3720	3.7030	4.2070	4.8030	5.6730	8.4950	1.5039
RP50/A	1.5820	2.2270	2.5580	2.8430	3.1120	3.3020	3.6980	4.0480	4.5700	5.2500	6.1770	9.2540	1.6060
RP100/A	1.7280	2.4530	2.8070	3.1090	3.4010	3.5960	4.0100	4.3770	4.9120	5.6760	6.6550	9.9730	1.7009
RP1000/A	2.1660	3.1770	3.6010	3.9500	4.3170	4.5170	4.9830	5.3930	5.9490	6.9910	8.1180	1.2175	1.9825
RP10000/A	2.6290	3.8770	4.3620	4.7510	5.1880	5.3880	5.9160	6.3910	7.2120	8.4620	1.0199	2.2320	
PMF/A	5.1950	7.3500	8.4550	9.4240	1.0274	1.0910	1.2198	1.3465	1.5487	1.7443	2.0666	3.0974	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F50 5244 0	STATION NAME MAO RIVER RANGW STATE	ELEV 2175	SEC 17	TWP 01N	RNG LOT 06E	HMM M	LATITUDE 40-45.0	LONGITUDE 123-53.3	COUNTY COO 53					
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	4.12	5.70	7.04	8.04	8.83	9.73	11.03	12.28	14.53	16.29	20.21	28.99	59.77	
5	5.44	7.83	9.60	10.90	11.94	13.05	14.65	16.26	19.15	21.57	26.59	38.23	74.17	
10	6.44	9.25	11.29	12.74	13.94	15.16	16.90	18.69	21.86	24.78	30.41	43.77	82.33	
20	7.31	10.59	12.86	14.45	15.80	17.09	18.95	20.89	24.26	27.49	33.83	48.72	89.40	
25	7.58	11.01	13.35	14.98	16.37	17.69	19.58	21.56	24.99	28.58	34.88	50.23	91.52	
40	7.71	11.88	14.37	16.25	17.66	18.91	20.88	22.94	26.47	30.40	37.00	53.30	95.79	
50	8.38	12.29	14.84	16.59	18.12	19.49	21.48	23.57	27.15	31.24	37.98	54.72	97.74	
100	9.15	13.54	16.29	18.14	19.80	21.22	23.29	25.44	29.18	33.77	40.91	58.97	103.51	
200	9.91	14.76	17.70	19.66	21.44	22.90	25.04	27.33	31.11	36.21	43.72	63.04	108.95	
1000	11.60	17.54	20.90	23.05	25.13	26.65	28.94	31.40	35.34	41.60	49.90	71.09	120.65	
10000	13.93	21.40	25.32	27.73	30.21	31.79	34.24	36.90	40.94	48.87	58.17	83.96	135.83	
PMF	27.53	40.57	49.07	55.00	59.82	64.38	70.84	78.41	92.00	103.79	126.08	183.15	305.49	
MEAN	4.394	6.179	7.578	8.594	9.435	10.325	11.614	12.854	15.044	17.057	21.025	30.173	60.855	
CLOCK HR. COV.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.118	2.471	1.931	1.936	2.010	1.910	1.812	1.783	1.741	1.621	1.725	1.381	1.023	1.743
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.800	0.700	0.700	0.400	
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600	0.800	0.700	0.700	0.400	
KURTOSIS	5.906	11.465	10.389	8.325	8.744	7.745	7.517	6.930	6.707	7.641	5.022	3.541	3.713	
RECORD YEAR	24	24	24	24	24	24	24	24	24	24	24	24	24	
RECORD MAXIMUM	7.870	14.770	18.370	20.430	22.430	23.590	25.840	27.76	32.940	37.490	40.790	54.280	94.820	
NORMALIZED MAX	2.358	3.360	3.451	3.353	3.442	3.298	3.300	3.212	3.250	3.369	2.759	2.309	2.391	
CALC. COEF. VAR	0.335	0.411	0.413	0.411	0.400	0.390	0.371	0.361	0.366	0.359	0.341	0.346	0.233	
REGN. COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.340	0.340	0.340	0.341	0.339	0.335	0.338	0.268	
USED COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341	0.339	0.335	0.338	0.268	
MEAN/A	0.722	1.015	1.245	1.412	1.550	1.697	1.908	2.112	2.472	2.803	3.455	4.958	1.0000	
RP10/A	1.062	1.520	1.855	2.094	2.291	2.490	2.777	3.072	3.592	4.073	4.998	7.192	1.3529	
RP25/A	1.245	1.810	2.194	2.462	2.691	2.906	3.218	3.544	4.107	4.697	5.731	8.254	1.5039	
RP50/A	1.377	2.020	2.439	2.726	2.977	3.202	3.529	3.874	4.461	5.134	6.240	8.832	1.6060	
RP100/A	1.504	2.225	2.677	2.981	3.254	3.486	3.827	4.188	4.795	5.550	6.723	9.630	1.7009	
RP1000/A	1.906	2.862	3.434	3.788	4.130	4.380	4.756	5.160	5.807	6.636	8.200	1.1830	1.9825	
RP10000/A	2.289	3.517	4.160	4.556	4.964	5.224	5.626	6.063	6.727	8.030	9.559	1.3797	2.2320	
PMF/A	4.523	6.666	8.063	9.038	9.830	10.579	11.641	12.885	15.117	17.056	20.816	30.096	5.0200	

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F50 6498 0	STATION NAME QUICK PRAIRIE CREEK PARK	ELEV 161	SEC 02	TWP 11N	RNG LOT R1E	HAM M	LATITUDE 41.637	LONGITUDE 124.017	COUNTY 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION L-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.23	5.90	7.03	7.74	8.42	9.24	10.59	11.88	14.30	15.90	19.93	30.74	69.88
5	5.49	8.11	9.59	10.50	11.39	12.39	14.06	15.74	18.93	21.84	28.22	40.54	86.72
10	6.44	9.58	11.27	12.27	13.30	14.38	16.22	18.09	21.50	24.18	29.99	44.41	96.26
20	7.41	10.98	12.84	13.82	15.07	16.21	18.19	20.22	23.86	27.01	33.37	51.66	104.53
25	7.79	11.41	13.33	14.43	15.62	16.78	18.00	20.27	24.54	27.68	34.34	53.26	107.01
40	7.92	12.32	14.34	15.48	16.89	17.95	20.04	22.20	26.93	29.66	36.49	56.52	117.00
50	8.61	12.74	14.82	15.98	17.28	18.49	20.62	22.82	26.70	30.49	37.45	58.02	114.27
100	9.40	14.03	16.26	17.47	18.84	20.13	22.36	24.67	28.70	32.45	40.35	62.53	121.03
200	10.18	15.30	17.67	18.93	20.45	21.72	24.04	26.45	30.60	35.32	43.12	66.85	127.39
1000	14.31	19.18	20.86	22.26	23.97	25.29	27.78	30.39	34.76	40.28	49.21	76.34	141.06
10000	18.31	22.18	25.27	26.70	28.41	30.16	32.87	35.71	40.28	47.67	57.37	89.03	158.81
PMP	28.27	42.04	48.98	52.46	57.06	61.08	68.01	75.89	90.48	101.25	124.92	194.21	357.19
MEAN	4.513	6.404	7.564	8.275	8.999	9.796	11.149	12.441	14.797	16.404	20.734	31.995	71.153
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	3.522	2.603	2.243	2.011	1.697	1.612	1.036	.779	.367	.194	-0.020	-0.122	.010
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.400	.200	.100	.000
SKEW USED	1.100	1.300	1.200	1.100	1.000	1.000	.900	.800	.600	.400	.200	.100	.000
KURTOSIS	19.477	13.403	11.732	10.573	8.903	9.281	6.344	4.501	2.948	2.612	2.725	2.610	2.739
RECORD YEAR	1951	1951	1951	1951	1951	1951	1951	1951	1956	1956	1974	1956	1974
RECORD MAXIMUM	11.500	16.190	17.790	19.270	19.420	21.050	21.260	21.870	23.710	25.060	30.400	46.910	96.010
NORMALIZED MAX	4.105	4.729	4.405	4.017	3.188	3.416	2.804	2.351	2.019	1.944	1.840	2.083	2.083
CALC. COEF. VAR	.384	.379	.338	.331	.316	.295	.265	.270	.280	.252	.240	.253	.169
REGN. COEF. VAR	.351	.371	.365	.360	.350	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.350	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0034	.0000	.1063	.1183	.1265	.1377	.1567	.1748	.2080	.2339	.2914	.4497	1.0000
RP10/A	.0933	.1347	.1583	.1724	.1864	.2021	.2288	.2543	.3022	.3398	.4215	.6523	1.3529
RP25/A	.1094	.1604	.1873	.2082	.2258	.2459	.2793	.3093	.3519	.3919	.4834	.7486	1.6039
RP50/A	.1210	.1790	.2082	.2245	.2429	.2598	.2898	.3207	.3753	.4283	.5264	.8155	1.9000
RP100/A	.1321	.1972	.2285	.2455	.2655	.2829	.3142	.3467	.4033	.4631	.5670	.8788	1.7009
RP1000/A	.1675	.2555	.2932	.3120	.3369	.3554	.3905	.4272	.4885	.5703	.6917	1.0729	1.9825
RP10000/A	.2011	.3117	.3551	.3752	.4050	.4239	.4619	.5019	.5545	.6700	.8002	1.2512	2.2320
PMP/A	.3974	.5908	.6884	.7443	.8019	.8584	.9554	1.0666	1.2717	1.4230	1.7557	2.7295	4.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 2084 0	STATION NAME COVELLO EEL RIV R S		ELEV 1514	SEC 28	TWP 23N	RNG LOT 11W	HAM M	LATITUDE 39.483	LONGITUDE 123.043	COUNTY 03			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.28	4.71	5.50	6.03	6.47	7.03	8.10	8.95	10.53	11.86	14.49	21.40	41.40
5	4.42	6.47	7.50	8.14	8.42	9.43	10.77	11.85	13.88	15.70	19.06	28.21	51.37
10	5.16	7.84	8.82	9.56	10.42	10.95	12.42	13.62	15.84	18.04	21.80	32.30	57.02
20	5.84	8.75	10.05	10.85	11.80	12.36	13.93	15.22	17.59	20.15	24.25	35.96	61.92
25	6.05	9.10	10.43	11.25	12.24	12.78	14.39	15.71	18.11	20.40	25.00	37.07	63.39
40	6.15	9.82	11.23	11.44	12.45	13.67	15.34	16.71	19.10	22.12	26.52	39.34	66.35
50	6.69	10.16	11.60	12.45	13.54	14.08	15.78	17.18	19.69	22.74	27.22	40.38	67.00
100	7.30	11.19	12.73	13.62	14.80	15.33	17.12	18.57	21.15	24.58	29.33	43.52	71.70
200	7.90	12.20	13.83	14.75	15.92	16.55	18.40	19.91	22.55	26.15	31.34	46.52	75.46
1000	9.26	14.49	16.33	17.30	18.76	19.76	21.27	22.88	26.61	30.27	35.77	53.13	83.56
10000	11.12	17.68	19.78	20.81	22.57	22.97	25.16	26.88	29.67	35.58	41.70	61.96	94.08
PMP	21.46	33.52	38.34	41.28	44.70	45.52	52.06	57.13	66.68	75.54	90.80	135.16	211.00
MEAN	3.505	5.106	5.922	6.451	7.051	7.461	8.534	9.385	10.904	12.413	15.071	22.268	42.151
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.957	1.313	1.040	0.820	0.772	0.772	1.254	1.472	1.554	1.600	1.600	1.600	1.600
NORMALIZED SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
KURTOSIS	5.141	6.130	9.785	8.856	9.508	8.466	7.361	5.797	5.412	6.536	4.270	2.916	2.376
RECORD YEAR	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD MAXIMUM	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	6.020	11.340	15.640	16.330	17.570	17.710	19.280	20.360	23.260	26.820	29.030	39.230	57.930
NORMALIZED MAX	2.226	2.754	3.401	3.401	3.528	3.430	3.318	3.065	3.019	3.212	2.720	2.337	1.638
CALC. COEF. VAR	.322	.421	.483	.450	.423	.403	.380	.385	.376	.361	.316	.326	.229
REGN. COEF. VAR	.351	.371	.365	.360	.358	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.358	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0032	.1211	.1405	.1530	.1673	.1770	.2025	.2222	.2587	.2945	.3576	.5283	1.0000
RP10/A	.1223	.1813	.2092	.2289	.2471	.2598	.2940	.3231	.3759	.4279	.5172	.7663	1.3529
RP25/A	.1435	.2155	.2475	.2668	.2903	.3032	.3414	.3728	.4297	.4935	.5931	.8794	1.5039
RP50/A	.1586	.2410	.2752	.2954	.3212	.3341	.3744	.4075	.4668	.5394	.6458	.9580	1.7009
RP100/A	.1733	.2655	.3020	.3231	.3511	.3637	.4080	.4406	.5017	.5831	.6959	1.0325	1.9000
RP1000/A	.2196	.3439	.4084	.4405	.4848	.5058	.5682	.6048	.6772	.7812	.9216	1.2604	2.2320
RP10000/A	.2537	.4196	.4693	.4918	.5358	.5450	.5968	.6378	.7039	.8437	.9893	1.4700	2.2320
PMP/A	.5210	.7953	.9096	.9794	1.0605	1.1037	1.2351	1.3553	1.5819	1.7920	2.1543	3.2067	5.0200

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DERENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 2218 U	STATION NAME CUMMINGS	ELEV 1276	SEC 21	TWP 23N	RNG LOT 16W	HMM M	LATITUDE 39.833	LONGITUDE 123.633	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.37	7.31	8.70	9.74	10.75	11.95	12.95	14.33	17.06	18.48	23.02	34.52	70.99
5	7.23	10.04	11.87	13.28	14.53	15.49	17.20	18.98	22.47	24.46	30.28	45.51	88.09
10	8.43	11.87	13.94	15.52	16.94	17.94	19.64	21.82	25.65	28.10	34.94	52.11	97.79
20	9.54	13.54	15.69	17.01	18.22	20.24	22.25	24.38	28.47	31.40	38.53	58.00	106.19
25	9.89	14.13	16.50	18.26	19.93	20.99	22.99	25.15	29.33	32.41	39.72	54.86	104.70
40	10.05	15.45	17.75	19.57	20.27	22.45	24.51	26.77	31.06	34.47	42.14	63.40	113.77
50	10.03	15.77	18.34	20.21	22.05	23.12	25.21	27.51	31.86	35.43	43.55	65.14	116.08
100	11.94	17.37	20.13	22.10	24.10	25.18	27.34	29.74	34.24	38.30	46.80	70.20	122.94
200	12.92	18.94	21.87	23.95	26.10	27.17	29.40	31.69	36.51	41.06	49.60	75.05	129.40
1000	15.13	22.50	25.82	28.09	30.58	31.93	33.97	36.63	41.47	47.17	56.84	85.71	141.29
10000	18.17	27.45	31.28	33.78	36.76	37.73	40.19	43.06	48.04	55.41	66.25	94.96	161.32
PMF	35.94	52.04	60.63	67.01	72.74	76.40	83.16	91.50	107.96	117.70	144.27	218.05	362.84
MEAN	5.731	7.927	9.363	10.470	11.482	12.253	13.633	15.000	17.655	19.342	23.946	35.922	72.274
CLOCK MR. COH.	1.140	1.071	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEL	1.295	.812	.582	.396	.247	.100	.087	.221	.503	.147	.501	.409	1.038
REGIONAL SKEL	1.100	1.300	1.096	1.001	1.002	1.001	1.000	.900	.800	.800	.700	.700	.400
SKEL USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	5.543	3.497	2.751	2.191	2.214	2.268	2.678	2.493	2.210	2.088	2.744	2.581	3.601
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1953	1938	1938	1953	1953	1930	1930	1931	1936	1918	1958	1953	1938
RECORD MAXIMUM	10.940	13.550	15.350	15.760	17.610	14.400	21.720	22.780	26.930	28.720	38.840	54.740	117.920
NORMALIZED MAX	2.243	2.059	1.896	1.801	1.822	1.821	2.068	1.927	1.772	2.253	1.948	2.214	2.214
CALC. COEF. VAR	.339	.344	.337	.316	.296	.298	.287	.284	.293	.274	.276	.297	.285
REGN. COEF. VAR	.351	.371	.365	.300	.356	.349	.340	.341	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 2910 0	STATION NAME EUREKA WB	ELEV 43	SEC 22	TWP 05N	RNG LOT 01W	HMM M	LATITUDE 40.810	LONGITUDE 124.147	COUNTY CODE 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.45	4.39	4.48	4.94	5.21	5.90	6.66	7.96	8.93	11.32	17.25	34.89
5	3.64	4.74	4.58	6.08	6.55	6.99	7.84	8.82	10.48	11.82	14.89	22.75	44.26
10	4.25	5.60	6.56	7.10	7.65	8.12	9.05	10.14	11.97	13.58	17.03	26.04	53.57
20	4.81	6.41	7.48	8.06	8.67	9.15	10.15	11.33	13.29	15.18	18.95	28.99	58.17
25	4.98	6.67	7.76	8.35	8.98	9.47	10.48	11.77	13.68	15.66	19.53	29.89	59.55
40	5.07	7.20	8.35	8.50	9.14	10.13	11.18	12.44	14.49	16.66	20.72	31.71	62.33
50	5.51	7.44	8.83	9.25	9.44	10.43	11.50	12.79	14.87	17.12	21.27	32.56	63.59
100	6.02	8.20	9.47	10.11	10.86	11.36	12.47	13.83	15.99	18.51	22.91	35.09	67.35
200	6.53	8.94	10.29	11.06	11.76	12.26	13.41	14.83	17.08	19.84	24.49	37.51	76.88
1000	7.63	11.62	12.15	12.85	13.74	14.27	15.44	17.04	19.35	22.80	27.95	42.83	78.50
10000	9.16	12.96	14.71	16.46	16.57	17.02	18.33	20.02	22.42	26.78	32.58	49.95	88.38
PMF	18.10	24.50	28.52	30.66	32.81	34.47	37.92	42.54	50.38	56.88	70.94	108.97	198.77
MEAN	2.888	3.742	4.405	4.791	5.176	5.529	6.217	6.973	8.238	9.347	11.774	17.952	39.595
CLOCK MR. COH.	1.140	1.070	1.046	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEL	1.115	.865	.901	1.087	.911	.706	.722	.687	.822	.566	.827	.908	1.486
REGIONAL SKEL	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEL USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	3.760	3.955	4.044	4.212	3.709	3.113	3.536	3.465	4.213	3.807	5.154	4.812	3.980
N	88	88	88	88	88	88	88	88	88	88	88	88	88
RECORD YEAR	1951	1890	1951	1890	1951	1951	1890	1903	1890	1890	1890	1890	1890
RECORD MAXIMUM	5.040	7.110	8.520	9.650	10.120	10.330	12.444	13.990	17.240	19.040	26.320	39.040	74.100
NORMALIZED MAX	2.134	2.773	2.965	3.118	2.960	2.669	3.132	3.164	3.374	3.443	4.009	3.717	3.518
CALC. COEF. VAR	.349	.325	.313	.325	.323	.325	.320	.318	.324	.301	.308	.316	.288
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0730	.0945	.1112	.1210	.1307	.1394	.1575	.1761	.2081	.2361	.2974	.4534	1.0000
RP10/A	.1473	.1414	.1657	.1794	.1931	.2050	.2285	.2561	.3023	.3430	.4301	.6577	1.3529
RP25/A	.1258	.1484	.1980	.2110	.2268	.2392	.2648	.2954	.3456	.3956	.4933	.7548	1.5039
RP50/A	.1391	.1880	.2179	.2336	.2510	.2635	.2904	.3230	.3754	.4324	.5371	.8222	1.6660
RP100/A	.1520	.2071	.2391	.2555	.2744	.2869	.3149	.3492	.4035	.4674	.5661	.8611	1.7009
RP1000/A	.1926	.2682	.3068	.3246	.3462	.3605	.3913	.4302	.4887	.5757	.7058	1.0817	1.9925
RP10000/A	.2313	.3273	.3716	.3904	.4185	.4299	.4629	.5055	.5661	.6763	.8227	1.2616	2.2320
PMF/A	.4570	.6204	.7203	.7744	.8287	.8706	.9578	1.0742	1.2723	1.4365	1.7916	2.7521	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 3320 0	STATION NAME GAMMERSVILLE	ELEV 224	SEC 340	TMP 24	RNG LOT 045 03E	HMM M	LATITUDE 40.110	LONGITUDE 123.800	COUNTY CODE 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.73	6.05	7.44	8.45	9.30	10.18	11.53	12.82	14.87	16.39	19.96	29.84	57.93
5	5.82	6.31	10.15	11.46	12.57	13.65	15.32	16.72	19.59	21.69	26.26	39.34	71.89
10	6.79	4.07	11.92	13.39	14.66	15.84	17.67	19.22	22.37	24.92	30.03	45.04	79.80
20	7.49	11.24	13.59	14.19	15.63	17.46	19.81	21.47	24.83	27.95	33.41	50.14	86.95
25	7.94	11.49	14.11	14.75	17.24	18.49	20.47	22.17	25.57	28.74	34.44	51.69	84.71
40	8.11	12.61	15.18	16.92	17.54	19.77	21.93	23.56	27.08	30.57	36.54	54.85	92.84
50	8.81	13.04	15.68	17.44	18.08	20.37	22.45	24.23	27.78	31.42	37.50	56.31	94.73
100	9.67	14.37	17.21	18.07	20.45	22.18	24.35	26.36	29.86	33.96	40.40	60.68	100.33
200	10.41	15.47	18.71	20.60	22.58	23.93	26.18	28.65	31.84	36.41	43.18	64.87	105.60
1000	12.19	16.81	22.08	24.23	26.46	27.86	30.25	32.26	36.16	41.83	49.28	74.08	114.43
10000	14.64	22.71	26.75	29.14	31.81	33.23	35.79	37.92	41.89	49.14	57.45	86.40	131.65
PMP	28.92	33.05	51.84	57.81	62.90	67.29	74.06	80.59	94.13	104.39	124.15	186.48	286.09
MEAN	4.617	6.558	8.607	9.033	9.934	10.793	12.141	13.212	15.394	17.163	20.763	31.050	58.983
CLOCK HR. COR.	1.140	1.079	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.376	2.085	2.023	1.761	1.934	1.614	1.410	1.267	.980	1.365	.861	.345	.616
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	5.926	9.462	9.212	8.001	8.063	7.084	6.009	6.242	5.149	7.073	4.000	2.135	3.591
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1974
RECORD MAXIMUM	8.299	15.280	18.530	20.530	21.530	22.350	23.750	25.340	29.120	32.490	36.460	47.610	92.300
NORMALIZED MAX	2.333	3.333	3.450	3.507	3.567	3.617	3.672	3.706	3.810	3.930	4.236	4.937	7.937
CALC. COEF. VAR	.331	.399	.374	.369	.333	.321	.294	.279	.288	.312	.276	.275	.217
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0783	.1112	.1357	.1531	.1684	.1830	.2058	.2246	.2610	.2908	.3520	.5264	1.0000
RP10/A	.1151	.1664	.2022	.2271	.2488	.2686	.2994	.3258	.3792	.4226	.5092	.7636	1.3529
RP25/A	.1357	.1981	.2392	.2670	.2923	.3134	.3471	.3756	.4335	.4873	.5839	.8764	1.5039
RP50/A	.1493	.2212	.2659	.2956	.3234	.3453	.3807	.4100	.4710	.5326	.6358	.9541	1.6060
RP100/A	.1673	.2436	.2918	.3333	.3585	.3876	.428	.4642	.5502	.6168	.7409	1.0268	1.7005
RP1000/A	.2067	.3156	.3743	.4108	.4487	.4723	.5129	.5473	.6130	.7093	.8355	1.2560	1.8825
RP10000/A	.2462	.3858	.4535	.4941	.5393	.5634	.6068	.6431	.7102	.8332	.9734	1.4648	2.0230
PMP/A	.4704	.7299	.8740	.9401	1.0678	1.1409	1.2556	1.3664	1.5959	1.7686	2.1209	3.1954	5.2620

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 4690 0	STATION NAME LAKE MOUNTAIN	ELEV 3170	SEC 21	TMP 055	RNG LOT 07E	HMM H	LATITUDE 40.017	LONGITUDE 123.400	COUNTY CODE 53				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.22	5.96	6.99	7.91	8.76	9.27	10.58	11.64	13.78	15.57	19.07	28.23	56.63
5	5.68	6.19	9.53	10.73	11.64	12.44	14.05	15.42	18.15	20.61	25.69	37.22	70.27
10	6.68	9.68	11.26	12.55	13.82	14.44	16.21	17.73	20.73	23.65	28.68	42.61	78.00
20	7.50	11.08	12.77	14.23	15.67	16.28	18.18	19.81	23.01	26.47	31.92	47.43	84.71
25	7.77	11.52	13.25	14.75	16.24	16.85	18.79	20.45	23.70	27.32	32.90	48.90	86.71
40	7.90	12.43	14.26	16.01	16.52	18.62	20.03	21.75	25.10	29.06	34.91	51.89	90.76
50	8.59	12.86	14.73	16.33	17.97	18.56	20.60	22.35	25.74	29.71	35.63	53.27	92.60
100	9.39	14.17	16.17	17.86	19.64	20.21	22.34	24.17	27.67	32.28	38.60	57.41	98.07
200	10.16	15.45	17.57	19.35	21.27	21.81	24.02	25.91	29.50	34.61	41.25	61.38	103.23
1000	11.89	16.35	20.74	22.70	24.63	25.39	27.76	29.78	33.51	34.76	47.06	70.09	114.31
10000	14.28	22.39	25.13	27.30	29.98	30.28	34.98	38.61	46.71	54.88	81.74	128.65	
PMP	28.22	42.44	48.71	54.15	59.33	61.33	67.96	74.35	87.23	99.20	119.51	178.31	289.44
MEAN	4.505	6.464	7.522	8.461	9.358	9.836	11.141	12.188	14.265	16.303	19.836	29.376	57.658
CLOCK HR. COR.	1.140	1.079	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.765	2.050	1.943	1.674	1.687	1.570	1.500	1.384	.788	1.222	.802	.732	.675
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	7.705	9.300	8.859	7.405	7.413	6.735	6.568	5.907	4.666	5.972	3.322	2.703	3.096
RECORD YEAR	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	8.800	15.260	16.920	18.860	20.520	20.960	22.820	23.740	25.730	32.310	33.940	46.730	86.700
NORMALIZED MAX	2.479	3.011	3.107	3.050	3.067	2.972	3.104	3.258	3.418	3.518	2.221	1.908	2.026
CALC. COEF. VAR	.306	.452	.402	.403	.386	.381	.346	.325	.315	.336	.321	.310	.248
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0781	.1121	.1305	.1467	.1623	.1706	.1932	.2014	.2474	.2827	.3440	.5095	1.0000
RP10/A	.1148	.1678	.1943	.2176	.2388	.2564	.2812	.3074	.3595	.4108	.4976	.7390	1.3529
RP25/A	.1346	.1969	.2299	.2559	.2816	.2992	.3358	.3616	.4138	.4738	.5702	.8481	1.5039
RP50/A	.1440	.2230	.2555	.2833	.3110	.3219	.3573	.3877	.4464	.5179	.6214	.9239	1.6060
RP100/A	.1628	.2457	.2804	.3106	.3406	.3505	.3875	.4192	.4798	.5598	.6694	.9957	1.7005
RP1000/A	.2063	.3182	.3597	.3936	.4323	.4404	.4815	.5164	.5811	.6896	.8166	1.2156	1.9825
RP10000/A	.2477	.3873	.4358	.4735	.5196	.5252	.5896	.6362	.7100	.8518	1.1777	2.2320	
PMP/A	.4695	.7300	.8448	.9342	1.0290	1.0636	1.1787	1.2894	1.5128	1.7205	2.0728	3.0926	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 4851 0	STATION NAME LAYTONVILLE	ELEV 1040	SEC 01	TWP 21N	RNG LOT 15W	RHW M	LATITUDE 39.700	LONGITUDE 123.443	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.12	7.03	7.86	8.49	9.70	10.43	11.94	13.28	15.33	17.04	20.88	30.38	57.66
5	6.89	9.66	10.73	12.05	13.11	13.98	15.85	17.59	20.14	22.55	27.47	40.05	71.55
10	8.03	11.42	12.67	14.09	15.31	16.23	18.20	20.22	23.06	25.91	31.42	45.86	79.42
20	9.09	13.07	14.37	15.98	17.35	18.30	20.51	22.61	25.51	28.95	34.95	51.05	86.24
40	9.49	13.59	14.92	16.57	17.98	18.44	21.19	23.31	26.36	31.48	38.03	52.63	88.29
25	9.58	14.67	16.05	16.85	18.24	20.26	22.50	24.81	27.92	32.78	38.22	55.85	92.49
50	10.42	15.17	16.58	18.34	19.90	20.87	23.24	25.91	28.64	32.66	39.23	57.33	94.28
100	10.38	16.71	18.20	20.06	21.75	22.72	25.21	27.57	30.78	35.31	42.26	61.78	99.85
200	12.11	18.23	19.78	21.73	23.58	24.57	27.10	29.56	32.82	37.86	45.17	66.05	105.10
400	14.42	21.65	23.34	25.49	27.60	28.56	31.37	33.97	37.27	43.49	51.50	75.42	116.38
1000	17.37	26.42	28.28	31.66	33.17	34.05	37.05	39.71	43.18	51.09	60.67	87.96	131.02
PMF	36.21	51.08	54.82	61.81	63.69	64.95	70.67	86.61	97.04	108.52	130.86	191.89	294.69
MEAN	5.441	7.629	8.466	9.501	10.361	11.059	12.569	13.903	15.869	17.834	21.720	31.613	56.704
CLOCK HR. COR.	1.140	1.176	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.178	2.461	2.762	2.541	2.528	2.421	2.338	2.144	1.783	2.211	1.568	.934	.153
REGIONAL SKEW	1.100	1.300	1.200	1.103	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	7.259	13.010	12.671	11.189	10.720	9.911	9.846	8.887	7.526	8.834	5.610	3.361	2.058
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	12.360	22.730	25.620	27.500	29.050	29.530	30.860	31.98	35.420	41.550	43.000	55.150	84.040
NORMALIZED MAX	2.587	3.444	3.572	3.547	3.536	3.429	3.474	3.376	3.249	3.404	2.818	2.227	1.736
CALC. COEF. VAR	.488	.575	.567	.534	.510	.487	.419	.385	.387	.391	.348	.334	.249
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.344	.340	.341	.339	.335	.336	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.344	.340	.341	.339	.335	.338	.268
MEAN/4	.0930	.1299	.1442	.1619	.1765	.1884	.2141	.2368	.2703	.3038	.3700	.5385	1.0000
RP10/4	.1368	.1944	.2148	.2400	.2686	.2765	.3116	.3444	.3928	.4414	.5352	.7811	1.3529
RP25/4	.1605	.2316	.2541	.2822	.3063	.3227	.3610	.3973	.4490	.5091	.6137	.8865	1.5039
RP50/4	.1774	.2685	.2825	.3125	.3384	.3555	.3959	.4344	.4878	.5564	.6683	.9786	1.6060
RP100/4	.1938	.2847	.3100	.3417	.3704	.3841	.4294	.4691	.5243	.6015	.7200	1.0525	1.7009
RP1000/4	.2456	.3688	.3977	.4346	.4702	.4863	.5335	.5766	.6349	.7409	.8782	1.2848	1.9825
RP10000/4	.2945	.4500	.4818	.5222	.5651	.5800	.6311	.6798	.7356	.8703	1.0237	1.4985	2.2320
PMF/4	.5828	.8530	.9338	1.0359	1.1190	1.1746	1.3060	1.4447	1.6530	1.8486	2.2292	3.2688	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F60 5713 0	STATION NAME MIRANDA SPENGLER RCH	ELEV 248	SEC 400	TWP 14	RNG LOT 035	RHW 04E	LATITUDE 40.250	LONGITUDE 123.747	COUNTY CODE 12				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.81	5.45	6.68	7.57	8.43	9.26	10.61	11.67	13.85	15.60	18.71	27.71	54.94
5	5.13	7.48	9.12	10.27	11.40	12.42	14.09	15.45	18.24	20.64	24.67	36.54	68.18
10	5.97	8.84	10.72	12.00	13.31	14.41	16.26	17.76	20.93	23.72	28.16	41.83	75.68
20	6.76	10.13	12.21	13.61	15.08	16.25	18.23	19.65	23.12	26.51	31.33	46.56	82.18
25	7.01	10.53	12.68	14.11	15.63	16.82	18.84	20.49	23.81	27.36	32.29	48.00	84.13
40	7.13	11.36	13.64	14.36	15.97	17.99	20.08	21.40	25.22	29.10	34.26	50.94	88.05
50	7.15	11.75	14.09	15.63	17.30	18.83	20.66	22.40	25.87	29.90	35.16	52.29	89.84
100	8.46	12.95	15.47	17.09	18.91	20.18	22.40	24.22	27.80	32.33	37.89	56.36	95.14
200	9.16	14.12	16.81	18.51	20.48	21.78	24.09	25.97	29.65	34.66	40.48	60.25	100.15
1000	10.73	16.77	19.64	21.71	24.00	25.35	27.84	29.84	33.67	39.42	46.21	68.40	110.90
10000	12.88	20.46	24.04	26.12	28.85	30.23	32.93	35.16	39.00	46.78	53.88	80.24	124.85
PMF	25.45	38.79	46.60	51.81	57.12	61.22	68.14	74.50	87.65	99.35	117.29	175.03	280.80
MEAN	4.062	5.908	7.196	8.095	9.009	9.819	11.171	12.213	14.334	16.328	19.467	28.836	55.937
CLOCK HR. COR.	1.140	1.176	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.924	1.810	1.235	.861	.781	.723	.640	.486	.219	.438	.261	.164	.165
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.400	.400
KURTOSIS	6.244	7.874	5.328	3.983	3.894	3.746	3.444	3.221	2.909	3.575	3.307	2.136	2.770
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	7.480	12.330	13.970	14.930	15.960	16.620	18.370	19.600	23.730	26.820	31.130	45.110	82.090
NORMALIZED MAX	2.647	3.151	2.919	2.716	2.662	2.477	2.355	2.246	2.234	2.636	2.139	1.902	2.163
CALC. COEF. VAR	.312	.348	.322	.311	.299	.286	.233	.209	.202	.290	.280	.227	.216
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/4	.0726	.1056	.1287	.1447	.1611	.1755	.1997	.2183	.2563	.2919	.3480	.5155	1.0000
RP10/4	.1068	.1501	.1916	.2146	.2379	.2577	.2906	.3175	.3723	.4241	.5034	.7478	1.3529
RP25/4	.1253	.1882	.2287	.2523	.2795	.3007	.3368	.3630	.4257	.4891	.5773	.8297	1.5119
RP50/4	.1385	.2101	.2520	.2794	.3093	.3293	.3693	.4004	.4624	.5346	.6286	.8627	1.6169
RP100/4	.1513	.2314	.2765	.3055	.3380	.3607	.4005	.4330	.4970	.5780	.6772	1.0075	1.7009
RP1000/4	.1918	.2998	.3548	.3882	.4290	.4531	.4976	.5334	.6019	.7119	.8260	1.2299	1.9825
RP10000/4	.2303	.3658	.4298	.4669	.5157	.5405	.5887	.6287	.6973	.8362	.9739	1.4200	2.2600
PMF/4	.4550	.6934	.8330	.9262	1.0211	1.0944	1.2182	1.3319	1.5670	1.7762	2.0988	3.1291	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB F60 R045 U	STATION NAME SCOTIA	ELEV 263	SEC 139	TWP 07	RNG R1N	LOT 11F	HMM H	LATITUDE 40.403	LONGITUDE 124.100	COUNTY CODE 12			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.43	4.72	5.79	6.48	7.03	7.61	8.69	9.65	11.52	12.93	16.01	24.01	49.52
5	4.89	6.69	7.90	8.78	9.50	10.20	11.54	12.78	15.18	17.12	21.15	31.66	61.45
10	5.70	7.67	9.28	10.27	11.09	11.84	13.31	14.69	17.33	19.67	24.19	36.24	68.21
20	6.46	8.78	10.58	11.65	12.57	13.35	14.93	16.42	19.23	21.98	26.41	40.35	74.07
25	6.69	9.13	10.98	12.07	13.03	13.82	15.42	16.95	19.81	22.68	27.41	41.60	75.82
40	6.81	9.66	11.62	12.78	13.66	14.48	16.44	18.03	20.98	24.13	29.42	44.14	79.36
50	7.00	10.19	12.21	13.37	14.42	15.23	16.92	18.53	21.62	24.79	30.20	45.31	80.97
100	8.78	11.22	13.40	14.62	15.70	16.58	18.34	20.03	23.13	26.80	32.54	48.83	85.75
200	8.75	12.24	14.56	15.84	17.07	17.89	19.72	21.46	24.67	28.74	34.77	52.20	96.26
1000	10.24	14.55	17.19	18.57	20.00	20.83	22.70	24.68	28.01	33.01	39.69	59.61	99.95
10000	12.30	17.75	20.82	22.34	24.00	24.84	26.96	29.08	32.45	36.78	46.26	69.53	114.53
PMF	24.30	33.64	40.36	44.32	47.61	50.31	55.80	61.63	72.93	82.37	100.74	151.67	253.09
MEAN	3.479	5.124	6.233	6.924	7.510	8.069	9.147	10.103	11.926	13.537	16.721	24.987	50.415
CLOCK HR. COEF.	1.140	1.176	1.040	1.021	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.541	.744	1.047	1.030	1.180	1.102	.995	.980	.789	.633	.498	.481	.459
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
KURTOSIS	2.582	2.412	3.493	3.690	4.284	4.480	4.141	4.333	3.383	2.912	3.369	2.462	2.951
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1954	1951	1951	1951	1956	1956	1956	1950	1938	1956	1956	1956	1938
RECORD MAXIMUM	5.340	7.440	9.990	11.690	13.630	15.060	16.530	18.41	20.450	22.700	29.690	39.400	77.020
NORMALIZED MAX	1.400	1.784	2.177	2.327	2.665	2.838	2.770	2.896	2.432	2.302	2.625	1.980	2.271
CALC. COEF. VAR	.275	.275	.277	.290	.306	.305	.291	.294	.331	.294	.295	.293	.232
REGN. COEF. VAR	.351	.371	.305	.306	.356	.340	.340	.341	.339	.335	.338	.268	.268
USED COEF. VAR	.351	.371	.305	.306	.356	.340	.340	.341	.339	.335	.338	.268	.268
MEAN/A	.0769	.1016	.1236	.1373	.1490	.1601	.1814	.2004	.2366	.2685	.3317	.4956	1.0000
RP10/A	.1131	.1521	.1841	.2036	.2201	.2349	.2640	.2914	.3437	.3902	.4748	.7189	1.3529
RP25/A	.1127	.1611	.2178	.2395	.2585	.2742	.3060	.3362	.3930	.4449	.5502	.8251	1.5039
RP50/A	.1467	.2022	.2421	.2651	.2866	.3020	.3355	.3675	.4265	.4918	.5991	.9988	1.6660
RP100/A	.1803	.2527	.2957	.3209	.3429	.3589	.3974	.4388	.5177	.6045	.7406	1.2099	
RP1000/A	.2031	.2905	.3439	.3689	.3963	.4131	.4521	.4986	.5957	.6948	.8782	1.1825	1.9825
RP10000/A	.2439	.3520	.4130	.4431	.4769	.4998	.5368	.5752	.6437	.7692	.9176	1.3791	2.2320
PMF/A	.4420	.6673	.8005	.8790	.9444	.9970	1.1068	1.2224	1.4466	1.6339	1.9982	3.0084	5.0200

PRECIPITATION DPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB F60 9685 0	STATION NAME WILLIS HOWARD R S	ELEV 1925	SEC 05	TWP 17N	RNG LOT 13W	HMM M	LATITUDE 39+350	LONGITUDE 123+317	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.33	5.81	6.73	7.37	8.03	8.68	9.63	10.84	12.74	14.29	17.52	25.61	49.45
5	5.89	7.99	9.18	10.09	10.85	11.64	12.79	14.36	16.78	18.92	23.04	33.77	61.36
10	6.79	9.44	10.79	11.88	12.67	13.52	14.75	16.51	19.16	21.74	26.36	38.60	68.11
20	7.69	10.81	12.29	13.24	14.36	15.24	16.54	18.45	21.27	24.29	29.32	43.03	73.96
25	7.96	11.24	12.76	13.73	14.89	15.77	17.10	19.05	21.90	25.07	30.23	44.37	75.72
40	8.10	12.13	13.73	14.97	16.14	16.87	18.22	20.26	23.20	26.67	32.07	47.08	79.25
50	8.61	12.54	14.19	15.20	16.47	17.38	18.75	20.82	23.79	27.41	32.91	48.33	80.86
100	9.62	13.82	15.57	16.63	18.00	18.92	20.33	22.51	25.57	29.63	35.46	52.00	85.63
200	10.41	15.07	16.92	18.01	19.50	20.42	21.86	24.14	27.27	31.77	37.90	55.68	90.14
1000	12.19	17.90	19.47	21.12	22.85	23.77	25.26	27.74	30.97	36.49	43.25	63.58	99.81
10000	14.44	21.44	24.20	25.41	27.46	28.35	29.88	32.59	35.88	42.87	50.42	74.16	112.37
PMF	26.93	41.40	46.40	50.40	54.38	57.42	61.84	66.26	80.63	91.05	109.79	161.77	252.73
MEAN	4.617	6.306	7.243	7.875	8.578	9.209	10.138	11.354	13.186	14.943	18.222	26.505	50.345
CLOCK HR. COEF.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.030	1.490	1.908	1.852	1.846	2.004	1.992	1.744	1.508	1.549	1.174	.987	.210
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.400	.200	.100	.000
KURTOSIS	4.418	6.262	8.342	7.265	6.422	7.003	7.893	6.728	6.172	6.441	4.164	3.309	2.306
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	8.800	14.520	16.990	20.000	20.690	21.490	23.650	25.28	28.380	32.720	34.300	48.080	71.710
NORMALIZED MAX	2.134	2.747	3.162	3.063	3.010	3.178	3.256	3.120	3.072	3.107	2.525	2.365	1.870
CALC. COEF. VAR	.413	.474	.479	.468	.468	.439	.410	.393	.382	.389	.340	.240	.227
REGN. COEF. VAR	.351	.371	.305	.306	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.305	.306	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0917	.1252	.1439	.1564	.1704	.1829	.2014	.2255	.2619	.2972	.3619	.5294	1.0000
RP10/A	.1344	.1875	.2143	.2317	.2517	.2685	.2930	.3280	.3806	.4319	.5236	.7678	1.3529
RP25/A	.1582	.2232	.2535	.2727	.2957	.3111	.3396	.3743	.4351	.4980	.6004	.8812	1.5039
RP50/A	.1719	.2432	.2818	.3049	.3272	.3424	.3724	.4036	.4728	.5448	.6538	.9700	1.6900
RP100/A	.1911	.2745	.3093	.3302	.3576	.3759	.4038	.4472	.5080	.5885	.7043	1.0346	1.7009
RP1000/A	.2421	.3555	.3967	.4146	.4538	.4722	.5018	.5511	.6152	.7249	.8591	1.2630	1.9825
RP10000/A	.2908	.4338	.4806	.5047	.5535	.5632	.5936	.6361	.7127	.8015	1.0010	1.4300	2.2320
PMF/A	.5745	.8623	.9315	1.0011	1.0802	1.1405	1.2281	1.3756	1.6016	1.8045	2.1807	3.2132	5.0200

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHEN N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUR F60 9686 U	STATION NAME WILLETS	ELEV 154	SEC 1365	TWP 18	RNG LOT 14N 13W L M	LATITUDE 39.403	LONGITUDE 123.352	COUNTY CODE 23					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.15	5.53	6.63	7.62	7.88	8.55	9.77	10.64	12.03	13.11	16.15	23.76	46.52
5	5.59	7.60	8.77	9.77	10.66	11.46	12.98	14.11	15.85	17.35	21.24	31.33	57.72
10	6.62	8.98	10.31	11.42	12.45	13.31	14.99	16.21	18.10	19.94	24.30	35.87	64.07
20	7.38	10.29	11.75	12.95	14.10	15.00	16.79	18.11	20.09	22.28	27.33	39.93	69.58
25	7.65	10.67	12.19	13.43	14.62	15.53	17.35	18.69	20.69	22.99	27.87	41.16	71.23
40	7.78	11.54	13.12	14.37	15.67	16.61	18.50	19.88	21.92	24.46	29.56	43.68	74.55
50	8.45	11.94	13.50	14.87	16.18	17.11	19.03	20.43	22.48	25.13	30.34	44.84	76.06
100	9.24	13.15	14.98	16.25	17.68	18.63	20.64	22.09	24.16	27.11	32.67	48.33	80.56
200	10.00	14.34	16.17	17.62	19.15	20.10	22.19	23.69	25.76	29.13	34.93	51.66	84.79
1000	11.71	17.03	19.08	20.69	22.44	23.40	25.65	27.22	29.20	33.47	39.87	59.00	93.89
10000	14.06	21.74	23.12	24.86	26.97	27.91	30.34	31.98	33.94	39.31	45.48	68.80	105.71
PMF	27.78	39.39	44.91	49.30	53.41	56.52	62.78	67.97	76.17	83.50	101.21	150.09	237.75
MEAN	4.434	6.001	6.921	7.703	8.424	9.055	10.291	11.142	12.450	13.723	16.798	24.727	47.360
CLOCK HR. COR.	1.140	1.070	1.010	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.736	.621	.670	.680	.658	.570	.813	.602	.337	.392	.710	.412	.925
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KUNTUSIS	3.046	2.707	3.037	3.274	2.751	3.131	4.212	3.402	2.461	2.619	3.408	2.932	4.379
RECORD YEAR	49	49	49	49	49	49	49	49	48	48	48	48	48
RECORD MAXIMUM	7.611	10.700	13.100	15.350	15.750	18.100	22.550	23.300	22.940	25.750	32.810	44.860	97.160
NORMALIZED MAX	1.441	2.210	2.413	2.717	2.849	2.759	3.238	2.965	2.496	2.487	2.583	2.555	3.142
CALC. COEF. VAR	.369	.354	.370	.365	.355	.361	.368	.364	.337	.352	.367	.382	.335
REGION. COEF. VAR	.351	.371	.365	.350	.356	.349	.341	.339	.310	.339	.338	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0936	.1267	.1461	.1627	.1779	.1914	.2173	.2353	.2633	.2897	.3547	.5221	1.0000
RP10/A	.1377	.1896	.2176	.2412	.2628	.2809	.3182	.3422	.3820	.4210	.5131	.7573	1.3529
RP25/A	.1615	.2259	.2575	.2836	.3087	.3279	.3664	.3947	.4359	.4855	.5884	.8692	1.5039
RP50/A	.1745	.2521	.2862	.3140	.3415	.3612	.4019	.4315	.4745	.5307	.6417	.9428	1.6050
RP100/A	.1950	.2776	.3141	.3424	.3733	.3933	.4354	.4660	.5101	.5737	.6902	1.0204	1.7009
RP1000/A	.2472	.3596	.4039	.4363	.4738	.4941	.5415	.5748	.6178	.7066	.8419	1.2457	1.9825
RP10000/A	.2981	.4388	.4982	.5248	.5695	.5893	.6406	.6753	.7157	.8301	.9813	1.4528	2.2320
PMF/A	.5365	.6318	.7462	1.0410	1.1277	1.1934	1.3255	1.4351	1.6083	1.7631	2.1370	3.1692	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR F70 9177 0	STATION NAME UPPER MATTOLE	ELEV 144	SEC 255	TWP 025	RNG LOT 01W	LATITUDE 40.250	LONGITUDE 124.183	COUNTY CODE 12					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.63	7.70	9.10	10.71	11.33	12.74	14.64	15.76	19.13	21.43	25.76	37.93	77.93
5	7.58	10.59	12.41	14.52	15.31	17.08	19.45	20.67	25.20	28.36	33.90	50.02	96.70
10	8.84	12.50	14.59	16.97	17.88	19.83	22.44	23.99	28.77	32.60	38.77	57.28	107.34
20	10.00	14.32	16.62	19.25	20.26	22.36	25.17	26.81	31.94	35.62	43.03	63.74	110.36
25	10.37	14.89	17.26	19.96	21.00	23.14	26.00	27.67	32.90	37.59	44.46	65.71	119.32
40	10.54	16.07	18.57	21.30	21.36	24.75	27.72	29.44	34.84	39.98	47.17	69.73	124.89
50	11.46	16.62	19.18	22.10	23.24	25.50	28.52	31.25	35.74	41.09	48.41	71.59	127.42
100	12.52	18.31	21.05	24.19	25.40	27.76	30.93	32.71	38.41	44.42	52.10	77.15	134.95
200	13.55	19.96	22.88	26.18	27.51	29.96	33.25	35.07	40.90	47.62	55.74	82.48	142.05
1000	15.87	23.71	27.01	31.70	34.24	36.87	39.43	40.30	46.52	54.71	63.62	94.18	157.29
10000	19.05	28.93	32.72	37.93	39.75	41.60	45.46	47.35	53.69	64.27	74.16	109.84	177.08
PMF	37.65	54.85	63.62	75.25	76.73	84.23	94.07	100.62	121.10	140.50	161.49	239.01	394.29
MEAN	6.009	8.354	9.794	11.446	12.102	13.510	15.421	16.495	19.804	22.433	26.804	39.475	79.341
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.734	.970	.884	.327	.431	.187	.248	.399	.207	.010	.548	.020	.189
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KUNTUSIS	3.131	3.736	3.346	2.806	2.851	3.047	3.001	2.980	2.524	2.590	3.081	2.175	2.592
RECORD YEAR	70	70	70	48	70	48	48	70	1927	1927	1956	1956	1956
RECORD MAXIMUM	9.350	14.300	17.240	17.980	20.760	21.540	24.860	31.240	34.350	35.650	50.700	63.890	130.640
NORMALIZED MAX	1.470	2.315	2.426	2.109	2.381	2.225	2.241	2.627	2.465	2.032	2.505	1.926	2.413
CALC. COEF. VAR	.287	.307	.313	.271	.300	.265	.273	.317	.299	.290	.256	.202	1.0000
REGION. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0757	.1053	.1234	.1443	.1525	.1703	.1944	.2079	.2496	.2827	.3378	.4975	1.0000
RP10/A	.1114	.1576	.1838	.2139	.2253	.2499	.2828	.3024	.3627	.4108	.4887	.7217	1.3529
RP25/A	.1307	.1877	.2175	.2515	.2647	.2917	.3278	.3488	.4146	.4708	.5683	.8293	1.5039
RP50/A	.1458	.2095	.2418	.2745	.2929	.3213	.3595	.3717	.4504	.5178	.6302	.9023	1.6050
RP100/A	.1578	.2307	.2653	.3066	.3201	.3499	.3899	.4123	.4941	.5598	.6574	.9724	1.7009
RP1000/A	.2000	.2989	.3404	.3707	.4063	.4395	.4843	.5074	.5863	.6806	.8019	1.1871	1.9825
RP10000/A	.2402	.3647	.4124	.4655	.4984	.5243	.5730	.5968	.6792	.8100	.9347	1.3844	2.2320
PMF/A	.4745	.6813	.7993	.9233	.9671	1.0617	1.1956	1.2683	1.5263	1.7205	2.0354	3.0201	5.0200

PEAKSTON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR F80 3161 0	STATION NAME FORT BRAGG	ELEV FO	SEC 04	TWP 14N	RNG LOT 17W	MM N	LATITUDE 39.613	LONGITUDE 123.867	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.49	3.72	4.31	4.77	5.19	5.53	6.40	7.20	8.75	10.10	12.69	18.73	37.39
5	3.49	5.11	5.88	6.47	7.02	7.42	8.50	9.54	11.53	13.36	16.70	24.70	46.40
10	4.44	6.04	6.91	7.56	8.20	8.61	9.80	10.97	13.17	15.16	19.10	28.20	51.50
20	5.14	6.92	7.88	8.50	9.29	9.71	10.99	12.25	14.61	17.16	21.25	31.48	55.93
25	5.33	7.19	8.18	8.60	9.63	10.05	11.36	12.65	15.05	17.71	21.40	32.46	57.26
40	5.42	7.76	9.80	9.75	10.79	10.75	12.11	13.46	15.94	18.84	23.24	34.44	59.92
50	5.89	8.03	9.09	9.85	10.65	11.07	12.46	13.83	16.35	19.36	23.85	35.36	61.14
100	6.43	8.84	9.94	10.77	11.64	12.06	13.51	14.95	17.58	20.93	25.70	38.10	64.75
200	6.96	9.64	10.94	11.67	12.61	13.01	14.53	16.03	18.74	22.44	27.46	40.73	68.16
1000	8.15	11.45	12.80	13.84	14.74	15.15	16.79	18.42	21.29	25.77	31.34	46.52	75.47
10000	9.74	13.97	15.50	16.46	17.76	18.07	19.86	21.64	24.60	30.26	36.54	54.25	84.97
PMF	19.34	26.49	30.05	32.65	35.17	36.59	41.10	45.99	55.41	64.31	79.56	118.34	191.11
MEAN	3.047	4.634	4.841	5.102	5.547	5.888	6.737	7.540	9.062	10.568	13.205	19.497	38.070
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.584	.771	.605	.615	.623	.636	.420	.414	.570	.469	.894	.754	.516
REGIONAL SKEW	1.500	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	3.106	2.903	2.455	2.395	2.836	3.279	2.790	2.440	2.661	2.715	3.481	3.206	2.717
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1953	1956	1956	1965	1965	1965	1965	1965	1965	1968	1958	1956	1958
RECORD MAXIMUM	4.150	5.868	6.320	7.180	8.065	8.720	9.540	10.38	12.181	15.115	20.250	30.200	53.880
NORMALIZED MAX	1.500	1.618	1.629	1.700	1.986	2.242	2.110	2.002	2.008	2.009	2.350	2.739	2.182
CALC. COEF. VAR	.228	.280	.249	.237	.228	.217	.195	.188	.172	.208	.227	.245	.190
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0911	.1660	.1219	.1340	.1457	.1541	.1776	.1981	.2380	.2776	.3469	.5121	1.0000
RP10/A	.1193	.1586	.1815	.1987	.2153	.2262	.2575	.2880	.3459	.4034	.5018	.7420	1.3529
RP25/A	.1390	.1845	.2148	.2337	.2522	.2640	.2940	.3323	.3954	.4652	.5754	.8525	1.5039
RP50/A	.1547	.2108	.2388	.2587	.2798	.2909	.3273	.3632	.4295	.5084	.6265	.9287	1.6060
RP100/A	.1689	.2322	.2620	.2829	.3058	.3167	.3549	.3927	.4617	.5497	.6750	1.0009	1.7009
RP1000/A	.2141	.3303	.3360	.3559	.3681	.3748	.4410	.4646	.5591	.6770	.8233	1.2219	1.9825
RP10000/A	.2571	.3870	.4072	.4324	.4665	.4748	.5217	.5684	.6477	.7953	.9587	1.4250	2.2320
PMF/A	.5081	.6957	.7893	.8577	.9238	.9611	1.0795	1.2081	1.4556	1.6892	2.0894	3.1086	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F80 3191 0	STATION NAME FORT ROSS	ELEV 116	SEC 33	TWP 04N	RNG LOT 12W 0	MM M	LATITUDE 38.517	LONGITUDE 123.250	COUNTY CODE 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.44	4.84	5.50	6.04	6.57	7.13	8.02	8.90	10.72	11.96	14.52	21.48	42.41
5	5.18	6.65	7.51	8.19	8.88	9.57	10.66	11.79	14.12	15.83	19.10	28.33	52.62
10	6.03	7.86	8.82	9.57	10.37	11.10	12.29	13.56	16.12	18.19	21.85	32.43	58.41
20	6.83	9.00	10.05	10.86	11.75	12.52	13.79	15.15	17.89	20.32	24.31	36.10	63.43
25	7.08	9.38	10.44	11.26	12.18	12.96	14.25	15.64	18.43	20.97	25.05	37.22	64.93
40	7.20	10.10	11.23	11.45	12.39	13.46	15.19	16.63	19.52	22.31	26.58	39.50	67.96
50	7.82	10.45	11.60	12.45	13.48	14.28	15.62	17.09	20.02	22.93	27.26	40.55	69.34
100	8.55	11.51	12.73	13.63	14.73	15.55	16.94	18.48	21.52	24.78	29.39	43.70	73.44
200	9.25	12.55	13.84	14.77	15.95	16.78	18.22	19.82	22.94	26.57	31.41	46.72	77.30
1000	10.63	14.91	16.33	17.32	18.69	19.53	21.05	22.77	26.06	30.53	35.85	53.35	85.60
10000	13.01	18.19	19.78	20.83	22.47	23.29	24.91	26.75	30.19	35.86	41.79	62.22	96.37
PMF	25.70	34.49	38.35	41.32	44.49	47.17	51.54	56.86	67.84	76.16	91.60	135.72	216.74
MEAN	4.103	5.253	5.923	6.456	7.018	7.565	8.449	9.321	11.094	12.517	15.103	22.359	43.175
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.158	.762	.783	1.009	1.012	1.061	.819	.577	.801	.897	1.221	1.100	.663
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	4.629	3.142	3.507	4.624	4.381	3.596	3.426	2.896	2.975	3.407	4.597	4.184	2.822
N	77	77	77	77	75	76	77	77	77	77	77	77	77
RECORD YEAR	1921	1921	1921	1921	1921	1921	1921	1921	1915	1909	1909	1909	1904
RECORD MAXIMUM	8.810	10.100	12.360	14.960	16.060	16.060	16.980	17.780	21.390	26.670	37.050	53.260	79.170
NORMALIZED MAX	2.857	2.515	3.050	3.680	3.652	3.222	2.878	2.661	2.455	3.002	3.352	3.364	2.539
CALC. COEF. VAR	.402	.367	.356	.358	.353	.349	.351	.341	.378	.377	.404	.411	.329
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0950	.1217	.1372	.1495	.1625	.1752	.1957	.2159	.2570	.2899	.3498	.5179	1.0000
RP10/A	.1397	.1821	.2043	.2217	.2401	.2572	.2848	.3144	.3734	.4212	.5060	.7512	1.3529
RP25/A	.1639	.2168	.2417	.2607	.2821	.3001	.3300	.3622	.4268	.4858	.5803	.8621	1.5039
RP50/A	.1812	.2420	.2667	.2887	.3121	.3307	.3619	.3959	.4637	.5310	.6391	.9391	1.6060
RP100/A	.1986	.2666	.2949	.3157	.3411	.3600	.3925	.4281	.4984	.5740	.6821	1.0121	1.7009
RP1000/A	.2509	.3454	.3783	.4011	.4330	.4523	.4876	.5274	.6036	.7070	.8303	1.2356	1.9825
RP10000/A	.3013	.4214	.4582	.4825	.5204	.5395	.5769	.6197	.6992	.8306	.9679	1.4410	2.2320
PMF/A	.5953	.7968	.8882	.9570	1.0305	1.0925	1.1937	1.3169	1.5713	1.7641	2.1076	3.1435	5.0200

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F80 7009 U	STATION NAME POINT ARENA	ELEV 122	SEC 12	TWP 12N	RNG LOT 17W	BWM M	LATITUDE 38.917	LONGITUDE 123.760	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.15	4.13	4.56	5.13	5.72	6.04	7.07	7.88	9.31	10.64	13.64	20.03	39.10
5	4.24	5.64	6.22	6.94	7.73	8.10	9.39	10.43	12.27	14.08	17.94	26.42	48.52
10	4.94	6.71	7.31	8.13	9.03	9.40	10.81	11.99	14.00	16.18	20.52	30.24	53.86
20	5.59	7.69	8.34	9.22	10.23	10.60	12.14	13.40	15.54	18.08	22.93	33.66	58.49
25	5.74	7.99	8.65	9.55	10.61	10.97	12.55	13.83	16.01	18.66	23.53	34.71	59.87
40	6.49	8.69	9.31	10.24	11.37	11.73	13.39	14.71	16.98	19.84	24.97	36.83	62.66
50	6.61	8.91	9.62	10.59	11.74	12.09	13.76	15.12	17.39	20.39	25.63	37.81	63.94
100	7.00	9.62	10.56	11.58	12.83	13.16	14.92	16.35	18.69	22.05	27.61	40.75	67.71
200	7.57	10.71	11.47	12.54	13.89	14.20	16.05	17.53	19.93	23.64	29.50	43.56	71.27
1000	8.87	12.72	13.54	14.71	16.20	16.53	18.54	20.14	22.64	27.15	33.57	49.74	78.92
10000	10.65	15.52	16.41	17.69	19.57	19.72	21.94	23.67	26.23	31.90	39.25	56.01	88.85
PMP	21.04	29.42	31.80	35.10	38.75	39.93	45.39	51.30	58.94	67.75	85.48	126.55	199.84
MEAN	3.358	4.441	4.911	5.488	6.112	6.485	7.441	8.245	9.639	11.134	14.187	20.849	39.810
CLOCK HR. COR.	1.146	1.470	1.601	1.810	1.910	1.980	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.981	.449	.043	.110	-0.089	.001	.369	.272	.562	.434	1.227	.935	.795
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.800	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	5.493	2.710	2.907	2.504	2.283	2.579	2.537	2.351	3.308	3.535	4.692	3.066	3.884
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1962	1962	1962	1956	1956	1956	1958	1962	1958	1958	1958	1958	1958
RECORD MAXIMUM	4.030	6.160	6.708	7.490	8.610	9.390	10.930	11.848	15.310	16.510	23.500	32.280	60.500
NORMALIZED MAX	1.914	1.497	1.715	1.903	1.989	1.993	1.903	1.873	2.305	2.421	2.377	1.991	1.509
CALC. COEF. VAR	.198	.250	.223	.234	.243	.241	.270	.261	.255	.274	.279	.275	.206
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0944	.1126	.1234	.1378	.1535	.1669	.1869	.2071	.2421	.2797	.3564	.5237	1.0000
RP10/A	.1261	.1665	.1797	.2003	.2269	.2502	.2779	.3017	.3515	.4061	.5155	.7597	1.3529
RP25/A	.1455	.2006	.2174	.2402	.2664	.2856	.3152	.3475	.4022	.4687	.5912	.8718	1.5039
RP50/A	.1639	.2239	.2416	.2659	.2936	.3036	.3457	.3799	.4369	.5123	.6437	.9497	1.6060
RP100/A	.2258	.2466	.2652	.2908	.3222	.3306	.3749	.4107	.4696	.5538	.6935	1.0235	1.7009
RP1000/A	.2727	.3195	.3402	.3695	.4089	.4153	.4658	.5066	.5687	.6821	.8459	1.2495	1.9825
RP10000/A	.2875	.3698	.4121	.4445	.4915	.4984	.5510	.5945	.6588	.8013	.9860	1.4573	2.2320
PMP/A	.5285	.7389	.7988	.8810	.9733	1.0031	1.1403	1.2635	1.4805	1.7019	2.1471	3.1789	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F80 9851 0	STATION NAME YORKVILLE	ELEV 1120	SEC 04	TWP 12N	RNG LOT 12W	BWM M	LATITUDE 38.905	LONGITUDE 123.313	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.41	6.22	7.10	7.99	8.67	9.25	10.46	11.56	13.37	15.24	18.49	26.80	48.84
5	5.94	8.55	9.69	10.84	11.72	12.41	13.89	15.32	17.61	20.18	24.33	35.35	60.61
10	6.92	10.10	11.39	12.67	13.69	14.41	16.03	17.61	20.11	23.19	27.83	40.47	67.28
20	7.63	11.56	12.98	14.37	15.51	16.74	17.97	19.68	22.32	25.91	30.96	45.04	73.06
25	8.12	12.02	13.48	14.90	16.08	16.81	18.57	20.31	22.99	26.74	31.91	46.44	74.79
40	8.26	12.98	14.50	15.16	16.36	17.98	19.80	21.60	24.35	28.44	33.85	49.28	78.28
50	8.97	13.42	14.98	16.50	17.79	18.52	20.37	22.20	24.97	29.23	34.75	50.59	79.87
100	9.80	14.78	16.44	18.04	19.45	20.17	22.09	24.01	26.84	31.60	37.43	54.52	84.59
200	10.61	16.12	17.87	19.54	21.09	21.77	23.75	25.74	28.62	33.68	40.00	58.28	89.03
1000	12.42	19.15	21.09	22.92	24.68	25.34	27.45	29.58	32.51	38.92	45.66	66.56	98.59
10000	14.92	23.37	25.55	27.57	29.66	30.22	32.47	34.75	37.66	45.72	53.22	77.62	110.99
PMP	20.48	44.29	40.52	54.69	58.74	61.70	67.19	73.85	84.63	97.11	115.90	169.33	244.64
MEAN	4.706	6.747	7.649	8.545	9.265	9.815	11.014	12.106	13.839	15.958	19.236	27.897	49.730
CLOCK HR. COR.	1.146	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.672	.326	.110	.010	.010	.010	.897	.512	.490	.163	.781	.728	1.106
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
KURTOSIS	2.841	4.730	4.415	3.927	4.399	4.310	3.539	3.239	2.798	3.681	3.374	4.731	5.169
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1965	1965	1965	1965	1956	1956	1956	1956	1956	1956	1956	1941	1941
RECORD MAXIMUM	7.050	13.220	14.720	16.000	17.260	18.200	19.380	20.970	22.140	29.100	33.390	56.950	94.700
NORMALIZED MAX	1.430	2.609	2.629	2.547	2.497	2.512	2.446	2.409	2.409	2.605	2.262	2.982	3.077
CALC. COEF. VAR	.368	.368	.352	.342	.346	.340	.311	.314	.293	.316	.325	.349	.294
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0946	.1357	.1398	.1718	.1863	.1974	.2215	.2434	.2783	.3209	.3868	.5610	1.0000
RP10/A	.1392	.2031	.2291	.2548	.2752	.2897	.3223	.3541	.4044	.4663	.5595	.8137	1.3529
RP25/A	.1632	.2418	.2710	.2996	.3233	.3381	.3735	.4084	.4623	.5377	.6417	.9338	1.5039
RP50/A	.1805	.2699	.3012	.3317	.3577	.3725	.4096	.4465	.5022	.5877	.6987	1.0173	1.6060
RP100/A	.1971	.2973	.3306	.3608	.3910	.4042	.4527	.4927	.5538	.6548	.7577	1.0953	1.7009
RP1000/A	.2498	.3851	.4241	.4609	.4963	.5095	.5598	.5948	.6537	.7826	.9181	1.3384	1.9825
RP10000/A	.3000	.4699	.5138	.5544	.5965	.6077	.6529	.6988	.7573	.9193	1.0702	1.5609	2.2320
PMP/A	.5928	.8906	.9959	1.0997	1.1811	1.2306	1.3511	1.4850	1.7017	1.9527	2.3305	3.4051	5.0200

PEAKSHOWN TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	FLV	SEC	TWP	RNG LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
F90 135 0	ALPINE DAM	050	01N	07W	M	37.9+2	122.6+8	21	
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	4.45	5.72	6.76	6.39	6.46	7.56	8.52	9.28	11.24
5	5.99	7.86	9.22	8.66	8.41	10.14	11.32	12.29	14.80
10	6.99	9.28	10.83	10.13	10.99	11.77	13.05	14.13	16.90
20	7.90	10.63	12.35	11.49	12.46	13.28	14.64	15.74	18.76
25	8.19	11.05	12.82	11.74	12.91	13.74	15.13	16.37	19.32
40	8.33	11.93	13.79	12.12	13.13	14.69	16.13	17.34	20.46
50	9.06	12.34	14.25	13.19	14.24	15.14	16.59	17.82	20.99
100	9.89	13.57	15.64	14.42	15.61	16.48	17.99	19.26	22.56
200	11.71	14.82	17.00	15.62	16.91	17.79	19.34	20.66	24.05
1000	12.54	17.60	20.05	18.32	19.82	20.71	22.35	23.74	27.32
10000	15.05	21.48	24.30	22.04	23.82	24.70	26.44	27.89	31.65
PMP	29.74	40.71	47.10	43.72	47.17	50.01	54.72	59.26	71.12
MEAN	4.748	6.201	7.275	6.831	7.441	8.021	8.970	9.715	11.630
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.000
CALCULATED SKEW	0.839	0.906	1.006	1.007	1.001	1.017	0.741	0.609	0.710
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600
KURTOSIS	3.273	3.335	3.066	7.017	5.081	3.736	2.595	2.404	3.027
N	52	52	52	25	25	25	25	25	25
RECORD YEAR	1970	1963	1963	1963	1963	1963	1932	1932	1936
RECORD MAXIMUM	81.70	11.550	14.450	15.400	15.940	15.940	16.200	17.530	21.380
NORMALIZED MAX	1.429	2.197	2.397	3.200	2.884	2.488	1.941	1.905	2.178
CALC. COEF. VAR	0.385	0.393	0.411	0.395	0.396	0.397	0.419	0.409	0.385
MEAN. COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341
USED COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341
MEAN/A	0.0952	0.1243	0.1459	0.1370	0.1492	0.1688	0.1799	0.1948	0.2332
RP10/A	0.1400	0.1681	0.2172	0.2031	0.2204	0.2361	0.2617	0.2833	0.3388
RP25/A	0.1642	0.2216	0.2570	0.2388	0.2589	0.2755	0.3033	0.3268	0.3874
RP50/A	0.1816	0.2474	0.2857	0.2654	0.2864	0.3035	0.3326	0.3573	0.4209
RP100/A	0.1983	0.2725	0.3135	0.2892	0.3131	0.3305	0.3607	0.3863	0.4523
RP1000/A	0.2513	0.3529	0.4022	0.3674	0.3973	0.4152	0.4492	0.4759	0.5477
RP10000/A	0.3018	0.4306	0.4873	0.4419	0.4776	0.4952	0.5302	0.5591	0.6345
PMP/A	0.5964	0.8163	0.9445	0.8766	0.9457	1.0028	1.0971	1.1882	1.4253

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 1602 0	STATION NAME CAZADERO	ELEV 22	SEC 14W	TWP 13	RNG LOT 08N 124 R	RMM M	LATITUDE 38.530	LONGITUDE 123.126	COUNTY CODE 49
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	6.47	8.46	10.39	11.64	12.48	13.62	15.56	17.70	20.18
5	8.71	12.32	14.18	15.79	16.87	18.27	20.67	23.44	26.58
10	10.11	14.55	16.66	18.46	19.73	21.21	23.84	26.94	30.35
20	11.50	16.66	18.99	20.94	22.32	23.92	26.74	30.11	33.69
25	11.91	17.32	19.71	21.71	23.14	24.75	27.63	31.08	34.70
40	12.12	18.70	21.21	22.08	23.54	26.47	29.45	33.06	36.75
50	13.17	19.34	21.91	24.03	25.60	27.27	30.30	33.98	37.70
100	14.39	21.30	24.05	26.28	27.99	29.69	32.86	36.74	40.51
200	15.57	23.23	26.13	28.47	30.31	32.04	35.33	39.39	43.20
1000	18.24	27.59	30.85	33.39	35.52	37.30	40.83	45.26	49.07
10000	21.90	33.67	37.37	40.17	42.69	44.49	48.38	53.18	58.84
PMP	43.27	63.62	72.43	78.67	86.54	94.10	99.94	113.01	127.74
MEAN	6.907	9.721	11.187	12.449	13.334	14.450	16.384	18.520	20.899
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	0.617	0.552	0.543	0.616	0.774	0.870	1.462	1.751	0.844
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	0.900	0.800	0.600
KURTOSIS	3.735	4.084	4.216	6.925	7.943	10.103	7.280	4.261	4.019
N	28	28	28	28	28	28	28	28	28
RECORD YEAR	1956	1966	1966	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	10.750	17.140	18.830	24.350	27.880	31.190	34.700	35.51	39.200
NORMALIZED MAX	1.948	2.345	2.429	3.254	3.506	3.760	3.492	2.866	2.620
CALC. COEF. VAR	0.286	0.325	0.304	0.294	0.311	0.308	0.320	0.320	0.335
MEAN. COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341
USED COEF. VAR	0.351	0.371	0.365	0.360	0.356	0.349	0.340	0.340	0.341
MEAN/A	0.0938	0.1320	0.1519	0.1690	0.1810	0.1962	0.2224	0.2515	0.2836
RP10/A	0.1379	0.1976	0.2262	0.2506	0.2675	0.2840	0.3237	0.3658	0.4121
RP25/A	0.1618	0.2352	0.2676	0.2947	0.3142	0.3301	0.3751	0.4220	0.4712
RP50/A	0.1789	0.2622	0.2955	0.3263	0.3476	0.3703	0.4114	0.4615	0.5115
RP100/A	0.1954	0.2892	0.3265	0.3608	0.3800	0.4012	0.4481	0.4982	0.5501
RP1000/A	0.2476	0.3747	0.4188	0.4534	0.4822	0.5065	0.5543	0.6145	0.6662
RP10000/A	0.2974	0.4571	0.5074	0.5454	0.5797	0.6041	0.6557	0.7229	0.7718
PMP/A	0.5875	0.8665	0.9835	1.0818	1.1478	1.2233	1.3559	1.5344	1.7344

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 1938 0	STATION NAME CLOVERDALE 3 SSF	FLEV J20	SFC 29	TWP 11N	RNG LOT 10W	HMM M	LATITUDE 38.767	LONGITUDE 122.943	COUNTY CODE 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.64	5.91	6.69	7.28	7.90	8.30	9.47	10.51	11.81	13.65	16.60	23.50	42.54
5	6.25	8.13	9.12	9.87	10.67	11.13	12.58	13.92	15.56	18.07	21.84	30.99	52.79
10	7.29	9.60	10.72	11.54	12.46	12.92	14.51	16.01	17.77	20.76	24.98	35.47	58.59
20	8.25	11.09	12.22	13.04	14.12	14.57	16.28	17.88	19.72	23.20	27.79	39.49	61.63
25	8.55	11.43	12.68	13.57	14.64	15.08	16.82	18.44	20.31	23.94	29.65	40.71	65.14
40	8.70	12.34	13.65	13.81	14.89	16.12	17.93	19.64	21.51	25.47	30.39	43.20	68.17
50	9.45	12.76	14.10	15.03	16.20	16.61	18.44	20.18	22.07	26.17	31.19	44.35	69.56
100	10.33	14.06	15.47	16.43	17.79	18.09	20.00	21.82	23.82	28.29	33.61	47.80	73.67
200	11.18	15.33	16.82	17.80	19.17	19.52	21.51	23.46	25.52	30.33	35.92	51.10	77.54
1000	13.19	18.21	19.85	20.88	22.47	22.72	24.85	26.89	28.72	34.85	40.94	58.35	85.86
10000	15.72	22.22	24.05	25.11	27.01	27.10	29.40	31.59	33.27	40.94	47.78	68.05	96.67
PMP	31.05	42.12	46.61	49.81	53.48	54.98	60.84	67.13	74.78	86.95	104.05	148.45	217.41
MEAN	4.956	6.415	7.199	7.783	8.436	8.801	9.973	11.006	12.229	14.289	17.270	24.456	43.309
CLOCK HR. CUN.	1.140	1.679	1.640	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.600	1.600	1.600
CLOCKED SKEW	1.258	1.776	1.703	1.671	1.629	1.589	1.781	1.713	1.789	1.919	1.919	1.919	1.919
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.584	3.156	2.602	3.726	4.185	4.056	4.094	3.927	3.799	4.635	4.507	2.784	2.362
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1967	1963	1963	1966	1966	1966	1966	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	11.700	11.700	11.700	17.320	17.320	17.320	19.150	19.120	20.21	21.52	25.840	31.030	40.700
NORMALIZED MAX	1.423	2.004	1.844	2.371	2.559	2.536	2.559	2.516	2.485	2.535	2.626	2.185	1.830
CALC. COEF. VAR	.413	.390	.344	.377	.412	.406	.358	.332	.306	.319	.303	.304	.259
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	1.144	1.681	1.662	1.677	1.648	1.632	1.283	1.251	1.282	1.299	1.398	1.5647	1.0000
RP10/A	1.083	1.217	1.275	1.265	1.287	1.293	1.351	1.366	1.403	1.474	1.576	1.8191	1.3529
RP25/A	1.074	1.260	1.292	1.314	1.338	1.348	1.383	1.426	1.469	1.528	1.615	1.9400	1.5039
RP50/A	1.083	1.2947	1.326	1.349	1.370	1.383	1.425	1.460	1.509	1.603	1.703	1.0240	1.6060
RP100/A	1.284	1.3246	1.3573	1.379	1.408	1.4176	1.4618	1.5039	1.5476	1.633	1.755	1.1170	1.7009
RP1000/A	1.302	1.4204	1.4581	1.4821	1.5148	1.5246	1.5738	1.6208	1.6632	1.806	1.965	1.3573	1.9825
RP10000/A	1.3629	1.5130	1.5553	1.5798	1.6236	1.6257	1.6788	1.7294	1.7683	1.952	1.1033	1.5713	2.2320
PMP/A	1.7169	1.9724	1.0763	1.1501	1.2349	1.2670	1.4047	1.5501	1.7266	2.0076	2.4025	3.4276	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 1840 0	STATION NAME CLOVERDALE 11W	FLEV 1020	SFC 29	TWP 11N	RNG LOT 12W M	HMM M	LATITUDE 38.772	LONGITUDE 123+209	COUNTY CODE 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.81	8.13	9.15	10.13	10.74	11.51	13.10	14.46	16.72	18.94	23.68	33.74	62.96
5	7.82	11.18	12.49	13.73	14.58	15.43	17.41	19.15	22.03	25.06	31.15	44.49	78.10
10	9.12	13.21	14.68	16.06	17.02	17.91	20.08	22.02	25.15	28.08	35.63	50.94	86.73
20	10.32	15.12	16.72	18.21	19.29	20.20	22.52	24.80	27.92	32.18	39.64	56.70	94.18
25	10.69	15.72	17.36	18.88	20.00	20.90	23.27	25.40	28.76	33.22	40.86	58.46	96.41
40	10.88	16.97	18.68	19.21	20.34	22.36	24.80	27.01	30.46	35.33	43.34	62.04	100.91
50	11.42	17.55	19.30	20.91	22.13	23.03	25.52	27.76	31.24	36.31	44.49	63.68	102.96
100	12.92	19.33	21.18	22.86	24.19	25.08	27.67	30.02	33.57	39.25	47.93	68.63	109.04
200	13.98	21.08	23.02	24.77	26.19	27.06	29.75	32.19	35.80	42.08	51.22	73.37	114.77
1000	16.37	25.04	27.17	29.05	30.70	31.50	34.34	36.98	40.66	48.35	58.46	83.78	127.09
10000	19.66	30.56	32.92	34.94	36.90	37.58	40.67	43.45	47.10	56.79	68.15	97.72	143.08
PMP	38.84	57.92	63.80	69.30	73.06	76.09	84.16	92.34	105.89	120.63	148.40	213.16	321.91
MEAN	6.199	8.823	9.854	10.829	11.524	12.204	13.797	15.138	17.311	19.828	24.631	35.117	64.106
CLOCK HR. CUN.	1.140	1.679	1.640	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.600	1.600	1.600
CLOCKED SKEW	1.410	1.373	1.598	1.626	1.473	1.412	1.390	1.195	-0.045	1.126	1.079	1.348	1.186
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	2.877	2.715	2.917	2.934	3.032	2.907	2.832	2.356	2.673	5.303	3.868	2.565	2.745
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1964	1965	1963	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	9.760	13.410	15.970	17.190	18.530	19.190	21.780	23.500	26.370	30.090	39.610	51.150	96.070
NORMALIZED MAX	1.588	1.521	1.690	1.943	2.123	2.056	2.202	1.978	1.952	2.776	2.274	1.749	2.101
CALC. COEF. VAR	.362	.342	.328	.302	.286	.278	.263	.279	.268	.296	.267	.261	.237
REGN. COEF. VAR	.351	.371	.360	.356	.350	.340	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	0.0967	0.1376	0.1537	0.1689	0.1798	0.1904	0.2152	0.2361	0.2700	0.3092	0.3842	0.5478	1.0000
RP10/A	0.1422	0.2060	0.2289	0.2505	0.2656	0.2794	0.3132	0.3434	0.3923	0.4493	0.5558	0.7946	1.3529
RP25/A	0.1068	0.2453	0.2708	0.2965	0.3120	0.3241	0.3629	0.3961	0.4486	0.5182	0.6373	0.9119	1.5039
RP50/A	0.1844	0.2738	0.3011	0.3261	0.3452	0.3593	0.3980	0.4331	0.4873	0.5664	0.6950	0.934	1.6009
RP100/A	0.2051	0.3016	0.3304	0.3566	0.3773	0.3912	0.4316	0.4682	0.5237	0.6123	0.7476	1.0706	1.7070
RP1000/A	0.2553	0.3907	0.4239	0.4531	0.4784	0.4914	0.5363	0.5769	0.6342	0.7542	0.9120	1.3070	1.9825
RP10000/A	0.3066	0.4767	0.5135	0.5450	0.5755	0.5861	0.6345	0.6778	0.7347	0.8859	1.0630	1.5243	2.3220
PMP/A	0.6056	0.9036	0.9953	1.0811	1.1347	1.1869	1.3129	1.4404	1.6512	1.8817	2.3149	3.3251	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER SUB F90 3577 0	STATION NAME GRANTON	ELEV 200	SEC 21	TWP 37N	RNG LOT 99W P	AWW M	LATITUDE 39.431	LONGITUDE 122.864	COUNTY 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.99	4.97	5.70	6.34	6.90	7.47	8.51	9.51	11.16	12.34	14.76	21.20	39.75
5	5.38	6.83	7.77	8.60	9.33	10.02	11.30	12.59	14.70	16.33	19.42	27.96	49.33
10	6.27	8.07	9.14	10.00	10.89	11.64	13.04	14.47	16.79	18.77	22.21	32.01	54.76
20	7.09	9.24	10.41	11.41	12.34	13.12	14.67	16.18	18.63	20.97	24.71	35.63	59.46
25	7.35	9.61	10.81	11.83	12.79	13.58	15.11	16.71	19.19	21.65	25.47	36.73	60.87
40	7.48	10.37	11.63	12.63	13.61	14.52	16.11	17.76	20.32	23.02	27.02	38.98	63.71
50	8.13	11.72	12.02	13.10	14.15	14.96	16.57	18.25	20.85	23.66	27.73	40.01	65.00
100	8.88	11.61	13.19	14.32	15.47	16.29	17.97	19.73	22.41	25.58	29.88	43.12	68.84
200	9.41	12.88	14.33	15.51	16.75	17.58	19.32	21.16	23.89	27.42	31.93	46.10	72.46
1000	11.25	15.30	16.92	18.20	19.63	20.47	22.33	24.31	27.13	31.50	36.44	52.64	80.24
10000	13.51	16.67	20.49	21.84	23.60	24.41	26.41	28.57	31.43	37.01	42.48	61.40	90.34
PMF	26.70	35.39	39.72	43.41	46.73	49.43	54.65	60.71	70.64	78.60	92.50	133.93	203.18
MEAN	4.202	5.391	6.135	6.784	7.371	7.928	8.959	9.952	11.552	12.917	15.353	22.065	40.474
CLOCK W.R. COR.	1.140	1.770	1.640	1.270	1.010	1.010	1.000	1.001	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.447	.567	.321	.276	.382	.501	.372	.230	.118	.310	.593	.726	.485
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	2.728	3.157	2.374	2.422	3.160	3.526	2.676	2.470	2.308	2.689	3.231	3.332	2.651
RECORD YEAR	78	78	78	78	78	78	78	78	78	78	78	78	78
RECORD YEAR	1937	1967	1967	1956	1956	1956	1956	1956	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.900	9.540	9.830	12.200	14.460	14.210	16.950	10.600	20.230	23.380	29.470	43.530	70.810
NORMALIZED MAX	1.944	2.516	1.971	2.511	3.008	3.198	2.593	2.496	2.214	2.546	2.790	2.705	2.532
CALC. COEF. VAR	.316	.306	.306	.318	.320	.327	.344	.348	.339	.318	.330	.360	.296
REGR. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.346	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.346	.341	.339	.335	.338	.268
MEAN/A	.1053	.1332	.1516	.1676	.1821	.1959	.2214	.2459	.2854	.3192	.3793	.5452	1.0000
RP10/A	.1544	.1994	.2257	.2485	.2690	.2875	.3221	.3574	.4147	.4637	.5487	.7908	1.3529
RP25/A	.1814	.2374	.2671	.2922	.3160	.3355	.3733	.4125	.4741	.5348	.6293	.9075	1.5039
RP50/A	.2008	.2650	.2969	.3230	.3497	.3697	.4094	.4510	.5150	.5845	.6852	.9886	1.6060
RP100/A	.2194	.2919	.3258	.3538	.3822	.4025	.4439	.4876	.5536	.6319	.7382	1.0854	1.7009
RP1000/A	.2786	.3781	.4179	.4446	.4851	.5057	.5516	.6007	.6784	.7804	.9004	1.3007	1.9825
RP10000/A	.3339	.4613	.5048	.5831	.6031	.6525	.7058	.7766	.9143	1.0495	1.5169	2.2320	
PMF/A	.6597	.8744	.9814	1.0727	1.1566	1.2214	1.3502	1.4999	1.7453	1.9420	2.2855	3.3091	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB F90 3875 0	STATION NAME HEALSHURG	ELEV 442	SEC 101	TWP 19	RNG LOT 09N 09W	AWW M	LATITUDE 38.617	LONGITUDE 122.833	COUNTY 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.87	5.19	5.99	6.56	7.18	7.76	9.02	9.96	11.78	13.06	15.63	22.10	39.69
5	5.21	7.13	8.17	8.89	9.70	10.41	11.99	13.19	15.52	17.29	20.57	29.14	49.25
10	6.07	8.43	9.60	10.39	11.33	12.09	13.83	15.17	17.72	19.87	23.52	33.36	54.67
20	6.87	9.65	10.95	11.79	12.84	13.63	15.51	16.96	19.67	22.20	26.17	37.14	59.36
25	7.12	10.04	11.36	12.22	13.31	14.11	16.02	17.50	20.26	22.92	26.98	38.29	60.77
40	7.24	10.83	12.23	12.43	13.54	15.09	17.08	18.61	21.46	24.38	28.62	40.63	63.60
50	7.87	11.20	12.63	13.53	14.73	15.54	17.57	19.13	22.01	25.05	29.37	41.71	64.90
100	8.60	12.34	13.86	14.80	15.10	16.92	19.06	20.66	23.66	27.08	31.64	44.95	66.73
200	9.31	13.46	15.07	16.03	17.43	18.26	21.49	22.17	25.23	29.03	33.82	48.05	72.34
400	10.90	15.98	17.78	18.80	20.43	21.26	23.68	25.48	28.65	33.35	38.60	54.88	80.11
1000	13.09	19.50	21.54	22.62	24.55	25.35	28.01	29.74	33.19	39.18	44.99	64.00	78.09
PMF	25.86	36.97	41.76	44.86	48.62	51.34	57.96	63.62	74.59	83.22	97.96	135.61	202.85
MEAN	.4128	.5631	.6449	.7009	.7669	.8235	.9509	1.0429	12.197	13.476	16.282	23.000	40.408
CLOCK HP. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.147	.653	.513	.367	.232	.250	.269	.142	.181	.365	.614	.673	.357
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	2.354	3.446	3.249	2.669	2.528	2.752	2.522	2.476	2.306	2.633	3.003	3.121	2.299
RECORD YEAR	78	78	78	78	78	78	78	77	77	77	77	77	77
RECORD MAXIMUM	6.360	9.970	12.080	12.560	13.161	15.120	16.790	18.110	21.310	26.400	32.730	46.850	72.550
NORMALIZED MAX	1.727	2.304	2.676	2.431	2.229	2.529	2.244	2.146	2.030	2.659	2.782	2.685	2.462
CALC. COEF. VAR	.313	.334	.326	.329	.321	.331	.334	.343	.350	.350	.354	.354	.323
REGR. COEF. VAR	.351	.371	.365	.360	.359	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.359	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.1022	.1394	.1596	.1735	.1898	.2038	.2352	.2581	.3019	.3385	.4024	.5692	1.0000
RP10/A	.1502	.2086	.2377	.2572	.2804	.2991	.3422	.3754	.4386	.4918	.5822	.8256	1.3529
RP25/A	.1762	.2484	.2812	.3025	.3293	.3491	.3965	.4339	.5014	.5671	.6676	.9476	1.5039
RP50/A	.1918	.2772	.3126	.3349	.3649	.3849	.4373	.4739	.5447	.6089	.7084	1.0000	1.6060
RP100/A	.2128	.3054	.3431	.3662	.3983	.4188	.4716	.5118	.5854	.6702	.7831	1.1124	1.7009
RP1000/A	.2697	.3956	.4401	.4653	.5055	.5261	.5860	.6305	.7090	.8254	.9552	1.3500	1.9825
RP10000/A	.3239	.4827	.5332	.5597	.6076	.6275	.6932	.7478	.8214	.9697	1.1135	1.5839	2.2320
PMF/A	.6400	.9149	1.0334	1.1102	1.2032	1.2768	1.4344	1.5744	1.8450	2.0595	2.4247	3.4551	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 4480 0	STATION NAME KELLINGG	ELEV 1000	SEC 09	TWP 09N	RNG LDT 07W M	HMM M	LATITUDE 38.667	LONGITUDE 122.667	COUNTY CODE 49	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	4.75	6.03	6.99	7.62	8.24	8.87	10.00	10.80	12.39	14.25
5	6.40	8.28	9.54	10.33	11.14	11.99	13.28	14.31	16.32	18.86
10	7.45	9.74	11.21	12.08	13.01	13.90	15.32	16.45	18.64	21.67
20	8.44	11.20	12.77	13.77	14.74	15.56	17.18	18.30	20.89	24.21
25	8.74	11.65	13.26	14.20	15.28	16.11	17.75	18.98	21.31	24.99
40	8.89	12.57	14.27	14.45	15.54	17.23	18.92	20.19	22.57	26.58
50	9.67	13.00	14.74	15.73	16.90	17.75	19.47	20.75	23.15	27.31
100	10.56	14.32	16.17	17.20	18.49	19.32	21.11	22.43	24.88	29.53
200	11.43	15.82	17.58	18.63	20.01	20.85	22.70	24.05	26.53	31.66
1000	13.38	18.55	23.75	21.85	23.45	24.28	26.23	27.64	30.13	36.37
10000	16.07	22.64	29.13	26.28	28.19	28.96	31.03	32.47	34.90	42.73
PMP	31.76	42.91	48.72	52.13	55.82	58.84	64.21	69.00	78.44	90.75
MEAN	5.049	6.538	7.524	8.146	8.804	9.404	10.528	11.312	12.827	14.913
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.175	1.442	1.581	1.495	1.530	1.422	1.455	1.342	1.320	1.814
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800
KURTOSIS	4.964	5.028	5.718	5.099	5.213	5.124	5.462	5.029	4.644	7.253
N	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	9.760	14.006	16.910	18.010	19.030	20.130	21.810	23.699	27.070	35.700
NORMALIZED MAX	2.174	2.481	2.765	2.624	2.403	2.518	2.582	2.589	2.662	3.248
CALC. COEF. VAR	.420	.460	.451	.461	.468	.453	.415	.423	.417	.429
REGION. COEF. VAR	.351	.371	.365	.360	.350	.349	.340	.340	.341	.339
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339
MEAN/A	.1132	.1459	.1680	.1818	.1965	.2099	.2350	.2525	.2863	.3329
RP10/A	.1664	.2184	.2501	.2696	.2903	.3061	.3419	.3672	.4160	.4837
RP25/A	.1952	.2600	.2959	.3170	.3410	.3596	.3962	.4236	.4756	.5578
RP50/A	.2158	.2902	.3270	.3510	.3773	.3962	.4345	.4631	.5167	.6097
RP100/A	.2357	.3197	.3640	.3839	.4125	.4314	.4712	.5007	.5553	.6592
RP1000/A	.2788	.4141	.4631	.4877	.5235	.5419	.5855	.6169	.6728	.8119
RP10000/A	.3588	.5053	.5611	.5867	.6292	.6483	.6926	.7248	.7791	.9537
PMP/A	.7089	.9578	1.0875	1.1637	1.2454	1.3089	1.4333	1.5403	1.7569	2.0257

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 4502 0	STATION NAME KENT LAKE M H M D	ELEV 360	SEC 02N	TWP 08W	RNG LDT M	HMM M	LATITUDE 37.998	LONGITUDE 122.700	COUNTY CODE 21
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	F YR					
2	5.89	7.15	8.46	52.26					
5	7.93	9.83	11.54	70.87					
10	9.25	11.61	13.56	82.65					
20	10.67	13.30	15.45	93.97					
25	10.85	13.83	16.04	97.43					
40	11.03	14.92	17.26	99.12					
50	11.99	15.44	17.83	107.87					
100	13.10	17.00	19.57	117.56					
200	14.18	18.54	21.27	127.79					
1000	16.40	22.02	25.11	149.88					
10000	19.94	26.87	30.42	180.28					
PMP	39.39	50.94	58.96	357.00					
MEAN	6.287	7.759	9.106	55.876					
CLOCK HR. COR.	1.140	1.070	1.040	1.000					
CALCULATED SKEW	.555	.399	.474	.621					
REGIONAL SKEW	1.100	1.300	1.200	1.100					
SKEW USED	1.100	1.300	1.200	1.100					
KURTOSIS	2.285	2.194	2.238	2.456					
N	18	18	18	25					
RECORD YEAR	1967	1967	1967	1969					
RECORD MAXIMUM	9.440	13.340	15.640	91.620					
NORMALIZED MAX	1.222	1.542	1.613	1.960					
CALC. COEF. VAR	.410	.467	.445	.326					
REGION. COEF. VAR	.351	.371	.365	.360					
USED COEF. VAR	.351	.371	.365	.360					
MEAN/A	.1125	.1389	.1630	1.0000					
RP10/A	.1655	.2079	.2427	1.4827					
RP25/A	.1941	.2475	.2871	1.7437					
RP50/A	.2144	.2762	.3192	1.9305					
RP100/A	.2344	.3043	.3503	2.1112					
RP1000/A	.2971	.3942	.4494	2.6824					
RP10000/A	.3568	.4809	.5444	3.2265					
PMP/A	.7049	.9117	1.0552	6.4000					

PEARSON TYPE III DISTRIBUTION USED

PROWABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R4M	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB F90 4552 0	LAGUNITAS LAKE M M W D	785	01N	07W	M			37.945	122.595	21

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	90	100
2	4.23	5.53	6.40	7.15						
5	5.69	7.61	8.74	9.82						
10	6.54	8.99	10.27	11.41						
20	7.51	10.29	11.70	12.85						
25	7.74	10.70	12.15	13.45						
40	7.92	11.55	13.07	14.45						
50	8.61	11.94	13.50	14.97						
100	9.40	13.16	14.82	16.41						
200	10.17	14.34	16.11	18.05						
1000	11.91	17.04	19.01	21.76						
10000	14.31	20.79	23.03	26.07						
PMP	28.27	39.41	44.64	50.28						
MEAN	4.512	6.003	6.895	7.613						
CLOCK HR. COR.	1.140	1.370	1.400	1.400						
CALCULATED SKEW	1.058	1.074	1.019	1.020						
REGIONAL SKEW	1.100	1.300	1.250	1.100						
SKEW USED	1.100	1.300	1.250	1.100						

KUMTUSIS	4.003	3.754	4.390	2.731						
N	63	63	63	63						
RECORD YEAR	1966	1963	1963	1958						
RECORD MAXIMUM	9.150	11.500	15.130	18.040						
NORMALIZED MAX	2.653	2.477	3.190	2.480						
CALC. COEF. VAR	.387	.370	.377	.344						
REGION. COEF. VAR	.351	.371	.395	.360						
USED COEF. VAR	.351	.371	.395	.360						
MEAN/A	.0978	.1301	.1494	1.0000						
RP10/A	.1438	.1948	.2225	1.4827						
RP25/A	.1607	.2319	.2613	1.7437						
RP50/A	.1865	.2588	.2927	1.9305						
RP100/A	.2037	.2851	.3212	2.1112						
RP1000/A	.2582	.3693	.4161	2.6824						
RP10000/A	.3101	.5005	.6092	3.2265						
PMP/A	.6127	.8542	.9676	6.4000						

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R4M	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB F90 6370 0	OCCIDENTAL	760	34	07N	10W	D	M	38.413	122.962	49

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.07	6.45	7.32	8.29	9.08	9.83	11.20	12.57	14.81	16.77	20.01	29.37	55.04
5	6.83	8.88	9.94	11.24	12.28	13.19	14.88	16.46	19.51	22.19	26.33	38.73	68.30
10	7.97	10.47	11.73	13.14	14.34	15.31	17.17	19.14	22.28	25.51	30.11	44.34	75.81
20	9.02	11.99	13.37	14.90	16.25	17.28	19.25	21.39	24.73	28.50	33.50	49.30	82.32
25	9.34	12.47	13.88	15.45	16.84	17.86	19.89	22.07	25.47	29.41	34.53	50.88	84.27
40	9.50	13.45	14.94	16.72	18.13	19.11	21.21	23.45	26.97	31.29	36.63	54.00	88.20
50	10.33	13.92	15.43	17.11	18.63	19.68	21.82	24.13	27.67	32.15	37.60	55.43	89.99
100	11.28	15.33	16.93	18.71	20.37	21.43	23.66	26.08	29.74	34.76	40.51	59.74	95.31
200	12.21	16.71	18.40	20.27	22.06	23.13	25.44	27.98	31.71	37.27	43.29	63.86	100.32
1000	14.30	19.88	21.72	23.77	25.85	26.92	29.40	32.15	36.01	42.81	49.41	72.93	111.09
10000	17.17	24.23	26.31	28.59	31.07	32.11	34.78	37.77	41.72	50.29	57.59	85.05	125.07
PMP	33.93	45.93	51.01	56.71	61.52	65.03	71.97	80.26	93.75	106.82	125.42	185.54	281.30
MEAN	5.416	6.995	7.877	8.861	9.704	10.429	11.798	13.158	15.331	17.554	20.817	30.567	56.035
CLOCK HR. COR.	1.140	1.170	1.094	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.430	-0.065	-0.171	.297	.579	.617	.259	.123	.117	.451	.395	.616	.317
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.800	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400

KUMTUSIS	3.511	2.362	2.722	2.906	3.691	3.676	3.604	2.753	2.691	3.513	3.146	3.350	2.704
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1966	1966	1966	1956	1956	1956	1956	1956	1970	1970	1958	1970	1958
RECORD MAXIMUM	8.510	10.460	12.120	14.890	17.740	18.420	19.760	21.340	25.900	31.890	36.810	55.370	92.180
NORMALIZED MAX	1.802	1.458	1.653	2.079	2.457	2.489	2.309	1.876	2.007	2.395	2.256	2.354	2.158
CALC. COEF. VAR	.317	.340	.326	.327	.337	.308	.292	.331	.344	.341	.341	.345	.299
REGION. COEF. VAR	.351	.371	.365	.350	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.350	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0967	.1248	.1406	.1581	.1732	.1861	.2105	.2348	.2736	.3133	.3715	.5455	1.0000
RP10/A	.1422	.1869	.2094	.2345	.2558	.2732	.3064	.3415	.3975	.4552	.5374	.7912	1.3529
RP25/A	.1567	.2225	.2477	.2757	.3005	.3188	.3550	.3939	.4545	.5249	.6162	.9081	1.5039
RP50/A	.1844	.2483	.2753	.3053	.3325	.3512	.3894	.4307	.4937	.5738	.6710	.9892	1.6060
RP100/A	.2014	.2738	.3022	.3318	.3535	.3622	.4056	.4507	.5307	.6203	.7229	1.0651	1.7009
RP1000/A	.2552	.3544	.3876	.4242	.4613	.4804	.5247	.5737	.6727	.7640	.8818	1.3015	1.9825
RP10000/A	.3065	.4324	.4696	.5102	.5545	.5731	.6207	.6740	.7445	.8975	1.0278	1.5179	2.2320
PMP/A	.6056	.8198	.9102	1.0120	1.0979	1.1605	1.2843	1.4324	1.6731	1.9082	2.2382	3.3111	5.0000

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 6853 0	STATION NAME PHOENIX LAKE M N U D	ELEV 175	SEC 175	TWP 17N	RNG LOT 11W	HMM M	LATITUDE 37.955	LONGITUDE 122.574	COUNTY CODE 21
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MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	F YH
2	4.95	6.49	7.43	45.45
5	6.67	8.41	10.14	61.64
10	7.77	10.53	11.92	72.06
20	8.80	12.06	13.58	81.73
25	9.11	12.54	14.10	84.74
40	9.27	13.53	15.17	86.21
50	10.08	14.00	15.67	93.82
100	11.01	15.42	17.20	102.60
200	11.91	16.81	18.69	111.15
1000	13.95	19.97	22.07	131.36
10000	16.75	24.37	26.73	156.80
PMF	33.10	46.19	51.82	311.02
MEAN	5.243	7.035	8.002	48.597
CLOCK HR. CDR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.721	.498	.375	.546
REGIONAL SKEW	1.100	1.300	1.200	1.100
SKEW USED	1.100	1.300	1.200	1.100
KURTOSIS	2.923	2.921	2.731	2.496
N	35	35	35	35
RECORD YEAR	1967	1967	1967	1961
RECORD MAXIMUM	9.000	12.300	14.300	83.100
NORMALIZED MAX	1.092	2.087	2.046	2.049
CALC. COEF. VAR	.370	.359	.387	.347
REGN. COEF. VAR	.351	.371	.395	.360
USED COEF. VAR	.351	.371	.395	.360
MEAN/A	1.087	1.448	1.647	1.0000
RP10/A	1.599	2.107	2.452	1.4927
RP25/A	1.875	2.580	2.901	1.7437
RP50/A	2.073	2.880	3.225	1.9305
RP100/A	2.265	3.172	3.590	2.1112
RP1000/A	2.970	4.109	4.541	2.6824
RP10000/A	3.447	5.014	5.501	3.2265
PMF/A	6.911	9.604	10.662	6.2000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 7109 0	STATION NAME POTTER VALLEY POWER HOUSE	ELEV 1014	SEC 04	TWP 17N	RNG LOT 11W	HMM M	LATITUDE 39.367	LONGITUDE 123.133	COUNTY CODE A23
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MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.67	4.94	5.79	6.50	7.15	7.75	8.75	9.83	11.69	13.00	15.62	23.84	45.12
5	4.94	6.79	7.91	8.81	9.60	10.39	11.63	13.02	15.40	17.21	20.55	31.44	56.00
10	5.78	8.02	9.29	10.30	11.28	12.06	13.41	14.97	17.58	19.78	23.51	35.99	62.16
20	6.59	9.19	10.59	11.69	12.79	13.60	15.04	16.73	19.51	22.10	26.10	40.07	67.50
25	6.76	9.55	10.99	12.12	13.25	14.07	15.54	17.27	20.10	22.81	26.96	41.31	69.10
40	6.87	10.31	11.83	12.33	13.48	14.05	16.57	18.37	21.28	24.26	28.60	43.63	72.32
50	7.47	10.66	12.22	13.42	14.67	15.51	17.95	19.87	21.83	24.93	29.36	45.00	73.79
100	8.16	11.74	13.41	14.67	16.03	16.88	18.48	20.41	23.46	26.96	31.63	48.50	78.15
200	8.83	12.80	14.57	15.89	17.36	18.22	19.88	21.88	25.02	28.90	33.80	51.84	82.25
1000	10.34	15.21	17.20	18.64	20.35	21.21	22.97	25.14	28.41	33.20	38.58	58.20	91.08
10000	12.42	18.56	20.84	22.42	24.40	25.30	27.17	29.54	32.92	39.00	44.97	69.05	102.54
PMF	24.54	35.18	40.38	44.47	48.42	51.23	56.22	62.78	73.97	82.84	97.93	150.62	230.64
MEAN	3.918	5.359	6.238	6.949	7.638	8.216	9.217	10.291	12.097	14.614	16.253	24.814	45.944
CLOCK HR. CDR.	1.140	1.070	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.414	1.425	1.229	1.239	1.353	1.422	1.261	.959	.707	1.164	.813	.434	.061
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	6.481	6.777	5.685	5.541	6.166	6.457	6.036	4.501	3.888	5.470	4.024	2.444	2.305
N	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958
RECORD MAXIMUM	8.260	12.260	14.370	15.800	16.880	17.750	19.650	21.480	24.660	30.530	31.670	47.760	68.370
NORMALIZED MAX	2.733	3.194	3.197	3.223	3.354	3.301	3.320	3.054	2.850	3.211	2.677	2.133	2.037
CALC. COEF. VAR	.400	.400	.400	.395	.361	.351	.341	.356	.364	.387	.354	.339	.240
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0853	1.166	1.358	1.512	1.662	1.788	2.006	2.240	2.633	2.963	3.538	5.401	1.0000
RP10/A	1.254	1.746	2.022	2.243	2.456	2.625	2.919	3.258	3.826	4.305	5.117	7.834	1.3529
RP25/A	1.471	2.079	2.392	2.637	2.885	3.063	3.383	3.758	4.374	4.965	5.866	8.991	1.5039
RP50/A	1.626	2.320	2.659	2.912	3.192	3.375	3.710	4.108	4.751	5.427	6.390	9.794	1.6060
RP100/A	1.776	2.556	2.918	3.193	3.489	3.675	4.023	4.442	5.107	5.867	6.884	10.555	1.7009
RP1000/A	2.251	3.311	3.744	4.057	4.428	4.616	4.999	5.472	6.185	7.227	8.937	14.886	1.9825
RP10000/A	2.704	4.040	4.536	4.880	5.323	5.506	5.914	6.430	7.165	8.449	9.768	15.028	2.2320
PMF/A	5.342	7.657	8.791	9.689	10.540	1.1150	1.2238	1.3684	1.6101	1.8630	2.1314	3.2783	5.0200

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN DROEP SUB F90 7351 0	STATION NAME REDWOOD VALLEY	ELEV 718	SEC 09	TWP 16N	RNG LOT 12W	RHM M	LATITUDE 39°26'7"	LONGITUDE 123°2'00"	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.13	1.47	4.61	5.34	5.57	5.96	6.94	7.70	9.21	10.46	12.92	19.52	35.53
5	4.21	5.72	6.29	6.84	7.53	7.49	9.22	10.30	12.13	13.84	17.00	25.74	44.08
10	4.91	6.76	7.39	8.00	8.74	9.28	10.64	11.84	13.85	15.91	19.40	29.47	48.93
20	5.56	7.74	8.42	9.07	9.97	10.46	11.93	13.64	15.37	17.77	21.84	32.61	53.14
40	5.76	8.05	8.75	9.40	10.33	10.83	12.33	13.66	15.83	18.34	22.30	33.62	54.40
60	5.86	8.69	9.41	9.57	10.51	11.58	13.15	14.53	16.77	19.51	23.56	35.89	56.93
90	6.17	8.99	9.72	10.41	11.43	11.93	13.52	14.94	17.20	20.05	24.28	36.84	58.09
100	6.24	9.00	10.67	11.38	12.40	12.90	14.67	16.15	18.48	21.68	26.16	39.71	61.52
200	7.53	11.00	11.60	12.33	13.54	14.01	15.77	17.37	19.71	23.24	27.46	42.45	64.76
1000	8.82	12.82	13.09	14.47	15.86	16.31	18.22	19.94	22.38	26.70	31.91	46.47	71.71
10000	10.59	15.65	16.58	17.40	19.06	19.46	21.56	23.38	25.93	31.36	37.20	56.53	80.73
PMP	20.92	29.66	32.14	34.51	37.74	39.68	44.61	49.68	58.27	66.61	81.00	123.32	181.57
MEAN	3.340	4.516	4.964	5.393	5.952	6.320	7.313	8.144	9.529	10.947	13.445	20.317	36.170
CLOCK HR. COR.	1.140	1.670	1.840	1.920	1.910	1.910	1.900	1.880	1.800	1.600	1.000	1.000	1.000
CALCULATED SKEW	1.027	1.203	1.322	1.190	1.323	1.201	1.153	1.081	1.038	1.034	1.017	1.000	1.000
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.407	5.929	6.294	5.326	5.316	4.922	5.135	3.925	4.655	5.637	3.788	2.665	2.507
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1945	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1958	1958
RECORD MAXIMUM	6.160	9.160	10.370	10.890	11.010	12.100	13.300	14.550	18.910	23.690	24.510	34.570	55.330
NORMALIZED MAX	2.287	2.704	2.912	2.773	2.683	2.540	2.658	2.486	2.822	3.013	2.392	2.030	2.056
CALC. COEF. VAR	.369	.374	.374	.368	.367	.360	.308	.316	.344	.386	.357	.346	.258
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.341	.341	.339	.335	.338	.268
MEAN/A	.0923	.1249	.1372	.1491	.1648	.1747	.2022	.2252	.2635	.3027	.3717	.5617	1.0000
KPI0/A	.1358	.1870	.2044	.2211	.2431	.2565	.2942	.3275	.3828	.4398	.5377	.8148	1.3529
KP25/A	.1593	.2226	.2418	.2603	.2856	.2993	.3469	.3777	.4376	.5071	.6160	.9351	1.5039
KP50/A	.1761	.2465	.2688	.2876	.3160	.3297	.3739	.4129	.4754	.5543	.6714	1.0186	1.6060
KPI00/A	.1924	.2737	.2950	.3148	.3454	.3590	.4055	.4465	.5110	.5903	.7233	1.0978	1.7009
KPI1000/A	.2343	.3564	.3784	.3999	.4384	.4510	.5038	.5501	.6188	.7381	.8823	1.3401	1.9825
KPI10000/A	.2928	.4328	.4585	.4811	.5269	.5380	.5966	.6463	.7169	.8671	1.0284	1.5630	2.2320
PMP/A	.5784	.8201	.8886	.9542	1.0434	1.0894	1.2333	1.3735	1.6111	1.8416	2.2396	3.4095	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB F90 1965 0	STATION NAME SANTA ROSA	ELEV 167	SEC 07N	TWP 08W	RNG LOT 38+45.0	RHM M	LATITUDE 38°45'00"	LONGITUDE 122°7'00"	COUNTY CODE 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.12	3.84	4.47	4.83	5.24	5.60	6.48	7.08	8.31	9.37	11.37	16.21	29.86
5	4.21	5.28	6.09	6.55	7.08	7.50	8.61	9.38	10.95	12.41	14.96	21.38	37.06
10	4.90	6.23	7.16	7.65	8.27	8.78	9.93	10.78	12.50	14.26	17.11	24.47	41.14
20	5.54	7.14	8.16	8.68	9.37	9.82	11.14	12.05	13.87	15.93	19.04	27.24	44.67
25	5.75	7.42	8.47	9.00	9.71	10.17	11.51	12.44	14.29	16.44	19.62	28.09	45.73
40	5.85	8.81	9.12	9.16	9.88	10.87	12.27	13.23	15.13	17.49	20.82	29.80	47.86
50	6.36	8.28	9.42	9.97	10.74	11.20	12.62	13.60	15.52	17.97	21.37	30.59	48.83
100	6.95	9.13	10.34	10.90	11.74	12.20	13.69	14.70	16.68	19.43	23.02	32.97	51.72
200	7.52	9.95	11.23	11.81	12.72	13.16	14.72	15.77	17.79	20.83	24.60	35.25	54.44
1000	8.80	11.82	13.26	13.85	14.90	15.32	17.01	18.11	20.20	23.93	28.09	40.25	60.28
10000	10.87	14.42	16.06	16.66	17.91	18.27	20.12	21.28	23.44	28.12	32.73	46.94	67.87
PMP	20.89	27.34	31.13	33.04	35.47	37.01	41.63	45.23	52.60	59.72	71.28	102.41	152.64
MEAN	3.334	4.165	4.808	5.162	5.595	5.935	6.825	7.415	8.601	9.814	11.830	16.871	30.407
CLOCK HR. COR.	1.140	1.670	1.740	1.620	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.052	.819	1.013	.780	.829	.774	.828	.812	.832	.855	.824	.606	.035
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	2.863	4.249	4.256	4.005	3.891	3.690	4.369	3.366	2.680	2.608	3.171	3.234	2.301
RECORD YEAR	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD MAXIMUM	1963	1963	1963	1963	1956	1956	1956	1956	1956	1970	1956	1956	1956
NORMALIZED MAX	4.670	7.410	8.850	9.120	10.520	10.900	12.660	13.250	14.270	15.870	20.940	29.670	43.950
CALC. COEF. VAR	1.298	2.176	2.424	2.204	2.361	2.370	2.653	2.322	1.963	1.918	2.313	2.255	1.569
REGN. COEF. VAR	.359	.358	.347	.334	.373	.363	.345	.336	.341	.339	.333	.336	.284
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.1096	.1370	.1581	.1698	.1840	.1952	.2244	.2438	.2829	.3227	.3891	.5548	1.0000
KPI0/A	.1613	.2050	.2355	.2517	.2718	.2885	.3366	.3546	.4110	.4690	.5628	.8048	1.3529
KP25/A	.1851	.2441	.2786	.2960	.3193	.3343	.3785	.4091	.4654	.5240	.6454	.9236	1.5039
KP50/A	.2091	.2725	.3047	.3233	.3473	.3633	.4151	.4472	.5105	.5811	.7028	1.0336	1.6060
KPI00/A	.2284	.3001	.3399	.3584	.3862	.4011	.4501	.4835	.5486	.6391	.7571	1.0844	1.7009
KPI1000/A	.2895	.3688	.4360	.4554	.4901	.5039	.5593	.5957	.6644	.7871	.9231	1.3238	1.9825
KPI10000/A	.3477	.4744	.5282	.5478	.5891	.6010	.6616	.6767	.7424	.8241	1.0736	1.5439	2.2320
PMP/A	.8892	1.0239	1.0885	1.1666	1.2170	1.3051	1.4675	1.5798	1.7298	1.9639	2.3442	3.3979	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB F90 9122 0	STATION NAME UKIAH	ELEV 623	SEC 17	TWP 15N	RNG LOT 12W	RMM M	LATITUDE 39.150	LONGITUDE 123.200	COUNTY CODE 23				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.08	4.19	4.85	5.39	5.89	6.38	7.32	8.18	9.74	10.82	13.27	19.35	35.84
5	4.14	5.76	6.62	7.31	7.96	8.56	9.72	10.84	12.83	14.32	17.46	25.51	44.44
10	4.93	6.81	7.78	8.55	9.29	9.94	11.22	12.46	14.45	16.46	19.97	29.21	49.37
25	5.46	7.79	8.86	9.70	10.53	11.20	12.58	13.92	16.27	18.39	22.21	32.51	53.61
45	5.66	8.10	9.20	10.05	10.91	11.60	13.00	14.37	16.75	18.98	22.99	33.52	54.88
25	5.66	8.10	9.20	10.05	10.91	11.60	13.00	14.37	16.75	18.98	22.99	33.52	54.88
50	5.75	8.25	9.33	10.13	11.00	11.78	13.18	14.55	16.93	20.75	24.93	36.52	58.41
100	6.44	9.96	11.22	12.17	13.20	13.91	15.44	16.90	19.56	22.43	26.86	39.35	62.07
200	7.40	10.80	12.20	13.18	14.24	15.01	16.62	18.22	20.86	24.05	28.70	42.07	65.33
1000	8.67	12.91	14.40	15.40	16.75	17.48	19.21	20.93	23.64	27.63	32.76	48.04	72.35
10000	10.41	15.75	17.44	18.60	20.14	20.86	22.72	24.59	27.44	32.45	38.15	56.03	81.45
PMP	20.57	29.85	33.81	36.89	39.87	42.71	47.01	52.26	61.67	68.93	83.16	122.22	183.19
MEAN	3.283	4.547	5.221	5.765	6.289	6.770	7.707	8.567	10.085	11.328	13.403	20.136	36.492
CLOCK HR. COR.	1.140	1.470	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.432	1.121	1.274	1.132	1.019	.990	.905	.783	.784	1.134	1.008	.733	.288
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.600	.700	.700	.400
KURTOSIS	3.510	4.362	5.043	4.410	4.401	4.310	3.930	3.501	3.574	5.063	4.415	3.203	2.372
N	19	76	78	78	78	78	78	78	78	78	78	78	78
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1969	1909	1909
RECORD MAXIMUM	6.180	10.410	12.900	13.880	14.855	15.400	16.650	17.860	20.630	25.980	32.090	43.280	57.480
NORMALIZED MAX	2.000	3.182	3.642	3.510	3.563	3.335	3.069	2.940	2.840	3.431	3.511	3.081	1.909
CALC. COEF. VAR	.377	.405	.404	.381	.382	.382	.378	.368	.364	.377	.377	.373	.295
REGN. COEF. VAR	.351	.371	.365	.360	.350	.340	.340	.341	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.350	.340	.340	.341	.341	.339	.335	.338	.268
MEAN/A	.0900	.1246	.1431	.1580	.1723	.1855	.2112	.2348	.2764	.3104	.3782	.5518	1.0000
RP10/A	.1323	.1805	.2131	.2342	.2546	.2723	.3074	.3415	.4016	.4511	.5471	.8004	1.3529
RP25/A	.1552	.2221	.2521	.2754	.2991	.3178	.3562	.3939	.4591	.5202	.6274	.9161	1.5039
RP50/A	.1716	.2479	.2802	.3050	.3301	.3501	.3960	.4306	.4987	.5686	.6832	1.0000	1.6080
RP100/A	.1874	.2730	.3076	.3335	.3617	.3812	.4236	.4655	.5360	.6147	.7360	1.0784	1.7009
RP1000/A	.2375	.3537	.3945	.4237	.4591	.4789	.5263	.5736	.6491	.7571	.8978	1.3165	1.9625
RP10000/A	.2852	.4316	.4789	.5097	.5518	.5712	.6226	.6739	.7520	.8694	1.0465	1.5354	2.2320
PMP/A	.5636	.8180	.9264	1.0110	1.0927	1.1567	1.2884	1.4321	1.6900	1.8890	2.2789	3.3493	5.0200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB F90 9273 0	STATION NAME VENADO	ELEV 1260	SEC 19	TWP 09N	RNG LOT 16W	RMM M	LATITUDE 38.617	LONGITUDE 123.017	COUNTY CODE 49				
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.49	7.78	8.99	9.93	10.75	11.59	13.33	14.73	16.96	18.80	22.95	32.90	56.69
5	7.40	10.80	12.27	13.46	14.54	15.54	17.70	19.51	22.34	24.88	30.21	43.38	72.83
10	8.62	12.62	14.42	15.73	16.97	18.04	20.42	22.42	25.50	28.59	34.55	49.66	86.84
25	9.76	14.46	16.43	17.85	19.23	20.34	22.90	25.06	28.31	31.95	38.44	55.28	87.79
45	10.11	15.03	17.06	18.58	19.93	21.05	23.66	25.87	29.16	32.97	39.62	56.99	89.87
100	10.29	16.22	18.36	19.82	20.82	22.51	25.23	27.52	30.88	35.07	42.06	60.48	94.06
200	11.16	16.78	18.97	20.49	22.06	23.19	25.95	28.28	31.67	36.04	43.15	62.08	95.97
1000	12.22	18.48	20.82	22.40	24.11	25.25	28.14	30.57	34.04	38.96	46.48	66.91	101.64
10000	13.22	20.15	22.62	24.27	26.11	27.25	30.26	32.78	36.30	41.77	49.68	71.53	106.99
10000	15.48	23.94	26.70	28.47	30.63	31.72	34.97	37.67	41.23	47.99	56.70	81.68	116.47
10000	18.59	29.21	32.35	34.62	36.66	37.62	40.86	43.74	48.59	56.28	66.66	93.36	135.36
PMP	36.73	55.37	62.70	67.72	72.83	76.62	85.59	94.06	107.33	119.74	143.92	207.81	299.98
MEAN	5.863	8.433	9.683	10.612	11.487	12.289	14.032	15.419	17.552	19.678	23.888	34.235	59.758
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.224	1.007	1.076	1.189	1.216	1.016	1.623	1.268	1.029	1.047	1.303	1.054	1.136
REGIONAL SKEW	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
SKEW USED	1.100	1.300	1.200	1.100	1.100	1.000	.900	.800	.600	.800	.700	.700	.400
KURTOSIS	1.985	3.595	4.103	7.730	10.407	9.365	7.185	5.500	4.148	4.037	5.047	3.867	4.254
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1954	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1941	1941
RECORD MAXIMUM	8.130	13.910	17.250	23.910	26.210	29.460	30.470	32.830	35.070	37.940	49.640	66.830	113.350
NORMALIZED MAX	1.189	1.920	2.323	3.409	3.617	3.718	4.953	3.205	2.836	2.706	3.067	2.643	2.893
CALC. COEF. VAR	.375	.338	.330	.368	.381	.375	.352	.352	.343	.352	.343	.352	.310
REGN. COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
USED COEF. VAR	.351	.371	.365	.360	.356	.349	.340	.340	.341	.339	.335	.338	.268
MEAN/A	.0981	.1411	.1620	.1776	.1922	.2056	.2348	.2580	.2937	.3293	.3997	.5729	1.0000
RP10/A	.1443	.2112	.2412	.2613	.2810	.3017	.3317	.3518	.4016	.4511	.5471	.8004	1.3529
RP25/A	.1693	.2515	.2855	.3096	.3337	.3523	.3960	.4329	.4879	.5518	.6631	.9537	1.6030
RP50/A	.1871	.2807	.3174	.3428	.3691	.3881	.4342	.4732	.5300	.6031	.7220	1.0389	1.9039
RP100/A	.2044	.3093	.3493	.3749	.4035	.4226	.4709	.5116	.5697	.6520	.7719	1.1197	1.7009
RP1000/A	.2591	.4006	.4468	.4764	.5121	.5308	.5889	.6304	.6899	.8031	.9488	1.3669	1.9825
RP10000/A	.3113	.4888	.5413	.5710	.6155	.6332	.6922	.7406	.7992	.9434	1.1060	1.5941	2.2320
PMP/A	.6147	.9265	1.0492	1.1365	1.2187	1.2822	1.4323	1.5740	1.7961	2.0038	2.4084	3.4775	5.0200

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	T&P	RNG LDT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
G10 1614 0	CEADARVILLE	4670	NR	42N	16E	M	41.52N	120.173	25

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.09	1.31	1.41	1.57	1.69	1.77	1.96	2.11	2.51	2.75
5	1.59	1.98	2.21	2.44	2.64	2.78	3.02	3.24	3.75	4.12
10	1.92	2.45	2.76	3.06	3.33	3.50	3.76	4.03	4.56	5.01
20	2.23	2.94	3.31	3.67	4.01	4.21	4.46	4.78	5.33	5.85
25	2.38	3.18	3.48	3.88	4.23	4.43	4.69	5.01	5.56	6.11
40	2.63	3.34	3.84	4.27	4.64	4.90	5.15	5.51	6.05	6.65
50	2.62	3.44	4.01	4.46	4.91	5.12	5.37	5.74	6.28	6.91
100	2.91	3.90	4.53	5.05	5.58	5.81	6.04	6.46	6.98	7.68
200	3.20	4.32	5.04	5.64	6.24	6.48	6.71	7.17	7.67	8.43
1000	3.84	5.28	6.22	6.99	7.78	8.05	8.22	8.77	9.21	10.13
10000	4.74	6.63	7.89	8.90	9.97	10.24	10.35	11.03	11.34	12.48
PMF	9.20	12.34	14.45	16.89	17.41	18.36	19.40	20.65	22.82	25.11

MEAN	1.203	1.482	1.629	1.821	1.975	2.062	2.231	2.404	2.773	3.040
CLOCK HR. CUR.	1.140	1.470	1.604	1.820	1.970	1.910	1.980	1.980	1.980	1.980
CALCULATED SKEW	1.147	1.439	1.485	1.498	1.493	1.480	1.465	1.450	1.432	1.419
REGIONAL SKEW	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100
SKEW USED	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100

KURTOSIS	9.009	6.624	6.575	10.304	13.018	13.012	11.840	9.533	8.164	6.537
N	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1954	1958	1963	1963	1963	1963	1963	1963	1963	1956
RECORD MAXIMUM	3.320	3.300	3.800	5.400	6.700	6.900	6.600	6.600	6.200	6.800
NORMALIZED MAX	2.764	2.582	2.780	3.444	3.753	3.753	3.715	3.502	3.357	3.141
CALC. COEF. VAR	.452	.480	.502	.570	.614	.581	.527	.509	.439	.400
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484

MEAN/A	.0903	.1113	.1223	.1367	.1483	.1548	.1675	.1805	.2082	.2283
RP10/A	.1439	.1840	.2076	.2299	.2501	.2628	.2821	.3023	.3427	.3764
RP25/A	.1747	.2283	.2611	.2901	.3178	.3326	.3519	.3745	.4176	.4589
RP50/A	.1970	.2609	.3007	.3349	.3684	.3845	.4033	.4310	.4717	.5189
RP100/A	.2184	.2929	.3347	.3743	.4187	.4359	.4537	.4847	.5242	.5762
RP1000/A	.2886	.3967	.4670	.5245	.5843	.6042	.6173	.6585	.6913	.7602
RP10000/A	.3560	.4981	.5920	.6679	.7484	.7703	.7771	.8283	.8516	.9367
PMF/A	.6906	.9293	1.0851	1.1930	1.3074	1.3787	1.5666	1.9504	1.7132	1.8855

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	T&P	RNG LDT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
G10 3157 0	FORT HOWELL	347	49W	17	46N	16E	M	41+850	120+133
25									

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.12	1.39	1.52	1.62	1.69	1.80	2.03	2.25	2.71	3.08
5	1.63	2.10	2.39	2.52	2.65	2.83	3.13	3.45	4.05	4.51
10	1.98	2.60	2.98	3.17	3.34	3.56	3.89	4.29	4.93	5.61
20	2.30	3.07	3.56	3.80	4.03	4.28	4.63	5.09	5.75	6.54
25	2.40	3.22	3.75	4.00	4.25	4.51	4.86	5.34	6.01	6.83
40	2.61	3.54	4.14	4.42	4.71	4.99	5.34	5.86	6.54	7.42
50	2.70	3.68	4.32	4.61	4.92	5.21	5.57	6.11	6.79	7.72
100	3.00	4.14	4.88	5.22	5.59	5.91	6.26	6.87	7.54	8.58
200	3.30	4.58	5.43	5.83	6.26	6.60	6.95	7.62	8.28	9.42
1000	3.96	5.60	6.71	7.23	7.81	8.19	8.52	9.34	9.95	11.32
10000	4.89	7.03	8.50	9.20	10.00	10.44	10.73	11.74	12.66	13.95
PMF	9.46	13.12	15.58	18.43	17.47	18.69	20.11	21.98	24.66	28.08

MEAN	1.240	1.572	1.756	1.883	1.982	2.099	2.313	2.559	2.996	3.400
CLOCK HR. CUR.	1.140	1.470	1.604	1.820	1.970	1.910	1.980	1.980	1.980	1.980
CALCULATED SKEW	1.140	1.359	1.414	1.505	1.572	1.582	1.452	1.414	1.405	1.400
REGIONAL SKEW	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100
SKEW USED	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100

KURTOSIS	4.478	4.378	5.198	5.786	7.164	7.516	6.573	5.270	6.028	9.112
N	64	64	64	64	64	64	64	64	64	64
RECORD YEAR	1971	1936	1965	1905	1963	1943	1963	1965	1965	1971
RECORD MAXIMUM	2.350	3.230	3.860	4.260	4.660	5.370	5.520	5.960	7.460	9.350
NORMALIZED MAX	2.418	2.602	2.969	3.224	3.672	3.825	3.484	3.413	3.904	4.587
CALC. COEF. VAR	.370	.406	.404	.391	.396	.404	.398	.389	.382	.362
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484

MEAN/A	.0938	.1062	.1187	.1273	.1339	.1418	.1563	.1730	.2025	.2298
RP10/A	.1335	.1756	.2051	.2141	.2254	.2408	.2632	.2896	.3333	.3768
RP25/A	.1628	.2179	.2536	.2701	.2870	.3047	.3283	.3608	.4062	.4619
RP50/A	.1928	.2590	.2918	.3119	.3327	.3522	.3762	.4130	.4580	.5218
RP100/A	.2030	.2795	.3227	.3531	.3781	.3993	.4242	.4644	.5098	.5804
RP1000/A	.2677	.3786	.4532	.4883	.5276	.5594	.5759	.6310	.6724	.7652
RP10000/A	.3302	.4753	.5746	.6217	.6758	.7056	.7249	.7937	.8283	.9428
PMF/A	.6405	.8868	1.0531	1.1196	1.1805	1.2630	1.3589	1.4857	1.6663	1.8978

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
010 4675 0	LAKE CITY	4613	36	44N	15E		M	41.633	120+217	25			
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.97	2.32	2.41	2.60	2.78	2.94	3.20	3.46	4.07	4.52	5.64	8.16	20.87
5	2.86	3.52	3.77	4.03	4.35	4.64	4.94	5.31	6.07	6.76	8.19	11.56	27.25
10	3.46	4.35	4.73	5.05	5.50	5.84	6.14	6.66	7.39	8.23	9.83	13.71	31.00
20	4.02	5.14	5.65	6.07	6.63	7.02	7.30	7.82	8.62	9.60	11.35	15.69	34.33
25	4.19	5.40	5.95	6.39	6.99	7.39	7.66	8.21	9.00	10.03	11.82	16.30	35.34
40	4.56	5.92	6.56	7.06	7.74	8.18	8.42	9.02	9.80	10.92	12.05	17.56	37.38
50	4.73	6.17	6.85	7.38	8.10	8.55	8.78	9.41	10.17	11.33	12.45	18.14	38.32
100	5.25	6.92	7.74	8.35	9.21	9.69	9.88	10.57	11.30	12.59	13.63	19.92	41.17
200	5.77	7.67	8.62	9.32	10.31	10.82	10.96	11.72	12.41	13.83	15.97	21.64	43.81
1000	6.93	9.37	10.64	11.95	12.85	13.43	13.44	14.35	14.90	16.62	18.99	25.48	49.65
10000	8.95	11.77	13.48	14.71	16.46	17.12	16.91	18.06	18.36	20.47	23.15	30.74	57.40
PMP	16.59	21.96	24.72	26.28	28.75	30.65	31.71	33.61	36.93	41.21	47.39	64.11	128.04
MEAN	2.149	2.630	2.785	3.012	3.262	3.442	3.647	3.935	4.498	4.989	6.139	8.764	21.574
CLOCK MR. COR.	1.149	1.170	1.040	1.020	1.011	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.200	1.462	1.314	.969	.874	.857	.643	.557	.670	.734	1.085	1.355	.825
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	3.731	5.284	4.703	3.636	3.281	3.173	2.965	2.503	2.862	3.352	3.891	4.753	3.958
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938
RECORD MAXIMUM	4.600	6.800	6.850	6.850	6.851	7.000	7.060	7.541	8.760	10.263	13.560	19.360	41.030
NORMALIZED MAX	1.877	2.721	2.686	2.490	2.352	2.199	2.038	2.036	2.289	2.539	2.537	2.580	2.687
CALC. COEF. VAR	.597	.583	.543	.512	.468	.470	.459	.451	.418	.416	.476	.446	.336
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1005	.1219	.1291	.1396	.1512	.1595	.1690	.1824	.2088	.2313	.2845	.4062	1.0000
RP10/A	.1602	.2016	.2191	.2348	.2550	.2708	.2846	.3054	.3424	.3813	.4555	.6354	1.6371
RP25/A	.1944	.2501	.2757	.2962	.3234	.3427	.3551	.3804	.4173	.4564	.5479	.7556	1.6379
RP50/A	.2193	.2858	.3174	.3420	.3755	.3962	.4069	.4355	.4713	.5252	.6140	.7910	1.7752
RP100/A	.2436	.3209	.3587	.3872	.4264	.4451	.4538	.4887	.5238	.5880	.6780	.9231	1.9084
RP1000/A	.3213	.4345	.4930	.5355	.5956	.6225	.6228	.6533	.6908	.7702	.8803	1.1811	2.3014
RP10000/A	.3963	.5456	.6250	.6819	.7629	.7937	.7840	.8369	.8809	.9490	1.0730	1.4250	2.6605
PMP/A	.7686	1.0189	1.1456	1.2180	1.3326	1.4204	1.4697	1.5666	1.7119	1.9102	2.1967	2.9715	5.9350

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
020 5231 0	MAULEINE HMS	5231	19	37N	13E	M	M	41.056	120.472	18			
MAXIMUM PRECIPITATION FOR INDICATED DURATION U-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.21	1.36	1.48	1.59	1.65	1.63	1.85	2.00	2.42	2.61	3.16	4.30	11.63
5	1.75	2.07	2.32	2.48	2.59	2.55	2.85	3.07	3.62	3.90	4.59	6.10	15.18
10	2.11	2.55	2.90	3.11	3.27	3.22	3.56	3.80	4.43	4.74	5.50	7.23	17.28
20	2.46	3.02	3.47	3.73	3.94	3.86	4.21	4.51	5.14	5.54	6.36	8.27	19.13
25	2.56	3.17	3.65	3.93	4.15	4.07	4.42	4.74	5.36	5.78	6.62	8.60	19.69
40	2.79	3.48	4.03	4.34	4.60	4.50	4.86	5.21	5.84	6.29	6.75	9.26	20.83
50	2.89	3.62	4.20	4.53	4.81	4.70	5.07	5.42	6.06	6.53	7.02	9.57	21.35
100	3.21	4.07	4.75	5.13	5.47	5.33	5.70	6.10	6.73	7.26	8.15	10.50	22.92
200	3.53	4.51	5.29	5.73	6.12	5.96	6.33	6.77	7.39	7.97	8.95	11.41	24.41
PMP	4.24	5.51	6.53	7.10	7.63	7.39	7.76	8.29	8.88	9.58	10.64	13.44	27.67
10000	5.23	6.90	8.28	9.04	9.77	9.42	9.76	10.42	10.94	11.61	12.97	16.21	31.99
USED	10.14	12.90	15.17	16.14	17.67	16.87	18.30	19.51	22.00	23.76	26.55	33.81	71.35
MEAN	1.326	1.545	1.709	1.850	1.937	1.994	2.105	2.272	2.674	2.877	3.439	4.622	12.022
CLOCK MR. COR.	1.149	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.780	1.573	1.824	1.901	1.759	2.045	1.654	1.403	1.203	1.052	1.232	.923	1.374
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	6.309	5.197	6.886	7.504	6.901	8.344	5.987	5.207	4.324	3.936	5.433	4.052	6.131
N	20	20	20	20	20	19	19	19	19	19	19	19	19
RECORD YEAR	1916	1963	1963	1963	1963	1963	1963	1963	1916	1916	1916	1916	1916
RECORD MAXIMUM	3.100	3.710	4.660	5.230	5.320	5.320	5.380	5.380	5.870	6.270	8.020	10.400	31.700
NORMALIZED MAX	2.114	2.365	2.874	3.078	3.030	3.152	2.818	2.691	2.366	2.382	2.759	2.957	3.233
CALC. COEF. VAR	.2405	.3013	.3001	.3770	.3572	.352	.352	.352	.315	.305	.345	.301	.204
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1103	.1285	.1422	.1534	.1611	.1575	.1751	.1889	.2224	.2393	.2860	.3844	1.0000
RP10/A	.1757	.2125	.2414	.2588	.2717	.2674	.2944	.3164	.3661	.3945	.4579	.6013	1.4371
RP25/A	.2133	.2637	.3036	.3268	.3452	.3384	.3678	.3941	.4462	.4811	.5569	.7150	1.6379
RP50/A	.2405	.3013	.3406	.3770	.4024	.4214	.4514	.4809	.5435	.5745	.6713	.7958	1.7762
RP100/A	.2672	.3382	.3951	.4259	.4648	.4435	.4742	.5074	.5600	.6041	.6816	.8734	1.9064
RP1000/A	.3524	.5431	.5904	.6346	.6415	.6451	.6893	.7385	.7976	.8650	1.1177	2.3014	5.9350
RP10000/A	.4347	.5752	.6884	.7517	.8129	.7838	.8121	.8620	.9120	.9720	1.1966	1.3485	2.6605
PMP/A	.8431	1.0731	1.2618	1.3428	1.4200	1.4029	1.5222	1.6231	1.8303	1.9760	2.2083	2.8120	5.9350

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB 640 47-2 0	STATION NAME SUSANVILLE AIRPORT	ELEV 4148	SEC 13	TWP 29N	RNG LOT 12E H	HMM M	LATITUDE 40-383	LONGITUDE 120-550	COUNTY CODE 18				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.71	2.26	2.43	2.65	2.76	2.99	3.35	3.61	4.12	4.38	5.12	7.04	14.24
5	2.43	3.43	3.80	4.11	4.32	4.69	5.17	5.53	6.16	6.56	7.42	9.98	18.59
10	3.01	4.23	4.77	5.10	5.45	5.90	6.43	6.80	7.49	7.98	8.91	11.83	21.15
20	3.50	5.01	5.70	6.19	6.57	7.09	7.65	8.14	8.74	9.31	10.29	13.54	23.42
25	3.65	5.25	6.00	6.51	6.93	7.47	8.03	8.55	9.13	9.73	10.72	14.07	24.11
40	3.97	5.76	6.61	7.20	7.68	8.26	8.83	9.39	9.93	10.59	11.63	15.15	25.50
50	4.12	6.00	6.90	7.52	8.03	8.64	9.20	9.74	10.31	10.99	12.01	15.66	26.14
100	4.57	6.74	7.80	8.51	9.13	9.79	10.35	11.00	11.46	12.22	13.26	17.19	28.06
200	5.32	7.46	8.69	9.59	10.22	10.94	11.49	12.20	12.58	13.41	14.48	18.67	29.89
1000	6.03	9.12	10.72	11.77	12.57	13.40	14.06	14.95	15.11	15.12	17.22	21.99	33.87
10000	7.44	11.45	13.59	14.94	16.22	17.30	17.73	18.81	18.61	19.46	20.99	26.53	39.16
PMP	14.43	21.37	24.92	26.78	28.50	30.47	33.23	35.21	37.45	39.97	42.96	55.33	87.36
MEAN	1.888	2.559	2.807	3.069	3.234	3.478	3.821	4.094	4.550	4.839	5.565	7.564	14.719
CLOCK HR. LOP.	1.143	1.710	1.840	1.926	1.991	2.101	2.310	2.461	2.771	2.900	3.300	4.400	8.600
CALCULATED SKEW	1.772	2.473	2.810	2.990	3.170	3.490	3.790	4.090	4.590	4.890	5.590	7.690	14.890
REGIONAL SKEW	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.600	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	7.103	11.069	12.183	11.068	11.215	10.352	7.353	6.845	5.835	6.743	5.491	3.475	2.039
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
RECORD MAXIMUM	4.700	6.240	10.120	11.310	12.250	12.250	12.250	12.250	12.260	14.360	16.030	16.540	25.000
NORMALIZED MAX	2.969	3.631	3.957	3.974	4.042	4.337	3.544	3.419	3.031	3.307	3.132	2.639	1.927
CALC. COEF. VAR	.519	.422	.658	.676	.690	.641	.622	.582	.559	.594	.520	.450	.366
REGD. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	1.283	1.739	1.907	2.085	2.197	2.363	2.596	2.764	3.091	3.288	3.761	5.139	1.0000
HP10/A	2.043	2.878	3.238	3.501	3.705	4.011	4.372	4.688	5.088	5.321	6.055	8.039	1.4371
HP25/A	2.681	3.567	4.073	4.405	4.707	5.071	5.484	5.907	6.402	6.691	7.740	9.958	1.6379
HP50/A	2.978	4.176	4.691	5.108	5.457	5.848	6.250	6.649	7.004	7.467	8.159	1.0639	1.7762
RP1000/A	3.107	4.576	5.300	5.784	6.202	6.652	7.031	7.476	7.774	8.300	9.007	1.1678	1.9064
RP1030/A	4.088	6.198	7.295	7.949	8.554	9.221	9.906	1.0157	1.0265	1.0950	1.1897	1.4942	2.3014
RP10000/A	6.055	9.7762	11.235	11.885	12.086	11.758	12.742	12.777	12.646	13.492	14.257	18.026	2.6605
PMP/A	9.806	14.4518	16.927	16.914	17.365	2.1042	2.2573	2.3915	2.5441	2.7158	2.9189	3.7591	5.9350

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. RSN ORDER SUB 060 2504 U	STATION NAME DOYLE	ELEV 45	SEC 42W	TWP 08 25N	RNG LOT 17E P	HMM M	LATITUDE 40-029	LONGITUDE 120-103	COUNTY CODE 18				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.59	1.81	1.96	2.07	2.19	2.29	2.53	2.68	2.95	3.20	3.64	5.01	10.57
5	2.31	2.75	3.07	3.22	3.43	3.60	3.91	4.11	4.40	4.79	5.36	7.10	13.81
10	2.80	3.40	3.85	4.04	4.33	4.53	4.87	5.10	5.35	5.83	6.43	8.42	15.71
20	3.25	4.02	4.60	4.84	5.22	5.44	5.78	6.05	6.24	6.80	7.43	9.64	17.40
25	3.39	4.21	4.84	5.10	5.50	5.73	6.07	6.36	6.52	7.10	7.73	10.01	17.91
40	3.49	4.62	5.34	5.63	6.10	6.34	6.67	6.98	7.10	7.73	7.89	10.79	18.94
50	3.83	4.82	5.58	5.89	6.39	6.63	6.96	7.28	7.37	8.03	8.67	11.15	19.42
100	4.25	5.41	6.30	6.67	7.25	7.51	7.83	8.18	8.19	8.92	9.57	12.24	20.84
200	4.67	5.99	7.02	7.44	8.12	8.39	8.68	9.07	8.99	9.80	10.45	13.29	22.20
1000	5.61	7.32	8.66	9.22	10.12	10.42	10.65	11.12	10.80	11.77	12.43	15.65	25.16
10000	6.92	9.19	10.98	11.74	12.96	13.28	13.40	13.98	13.36	14.50	15.15	18.89	29.09
PMP	13.42	17.15	20.12	20.97	22.64	23.77	25.12	26.16	26.76	29.19	31.01	39.38	64.88
MEAN	1.755	2.054	2.267	2.403	2.564	2.669	2.989	3.047	3.251	3.534	4.017	5.384	10.933
CLOCK HR. COR.	1.144	1.624	1.740	1.820	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	1.475	1.824	1.990	2.110	2.250	2.310	2.590	2.690	2.789	2.889	3.189	4.189	8.689
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	4.700	4.106	3.923	4.464	7.138	7.678	8.160	8.486	7.234	7.835	8.553	5.792	2.828
N	52	52	52	52	52	52	52	52	52	52	52	52	52
RECORD YEAR	1963	1963	1963	1930	1956	1956	1956	1956	1956	1956	1956	1956	1963
RECORD MAXIMUM	3.850	4.710	5.280	6.330	6.570	9.190	10.100	10.700	10.770	12.060	13.470	15.320	20.060
NORMALIZED MAX	2.314	2.412	2.386	2.901	3.852	4.014	4.172	4.246	4.055	4.182	4.308	3.802	2.356
CALC. COEF. VAR	.516	.536	.557	.563	.607	.609	.598	.591	.570	.577	.546	.485	.385
REGD. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	1.606	1.879	2.074	2.218	2.349	2.442	2.643	2.787	2.974	3.232	3.674	4.925	1.0000
HP10/A	2.558	3.107	3.521	3.696	3.962	4.145	4.451	4.667	4.896	5.330	5.882	7.704	1.4371
HP25/A	3.105	3.855	4.429	4.646	5.034	5.245	5.552	5.813	5.967	6.498	7.075	9.160	1.6379
HP50/A	3.502	4.405	5.101	5.384	5.936	6.083	6.362	6.656	6.739	7.341	7.929	1.0195	1.7762
RP1000/A	3.890	4.945	5.763	6.057	6.653	6.874	7.155	7.484	7.489	8.160	8.755	1.1192	1.9064
RP10000/A	5.131	6.697	7.922	8.431	9.255	9.528	9.739	1.0168	9.676	10.761	11.367	1.4319	2.3014
RP100000/A	6.329	8.840	10.042	1.0736	1.1056	1.2147	1.2266	1.2790	1.2166	1.3265	1.3855	1.7276	2.6605
PMP/A	1.2275	1.5669	1.8407	1.9177	2.0710	2.1743	2.2981	2.3941	2.4476	2.6700	2.8366	3.6025	5.9350

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB										CODE
670 931 0	ROCKA	10	5575	2R	16N	17E	0	M	39-36N	120-06E 29

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.99	2.66	3.00	3.26	3.55	3.82	4.34	4.81	5.59	6.26	7.29	10.40	21.61
5	2.90	4.03	4.70	5.06	5.56	6.00	6.71	7.38	8.35	9.36	10.58	15.01	24.22
10	3.50	4.98	5.89	6.36	7.02	7.55	8.34	9.15	10.16	11.39	12.69	17.81	32.11
20	4.07	5.69	7.04	7.82	8.46	9.07	9.91	10.86	11.85	13.30	14.66	20.38	35.56
25	4.25	6.18	7.49	8.12	8.82	9.56	10.43	11.40	12.38	13.89	15.27	21.17	36.60
40	4.62	6.78	8.17	8.86	9.48	10.47	11.44	12.53	13.47	15.12	15.57	22.81	38.72
50	4.79	7.06	8.53	9.26	10.34	11.05	11.92	13.05	13.98	15.70	17.11	23.56	39.69
100	5.32	7.93	9.64	10.48	11.75	12.52	13.42	14.68	15.54	17.45	18.90	25.87	42.60
200	5.84	8.79	10.73	11.10	12.45	13.08	14.49	16.22	17.08	19.16	20.63	28.10	45.37
1000	7.12	13.74	13.25	14.50	16.40	17.36	18.25	19.94	20.44	23.02	24.53	33.10	51.43
10000	8.66	16.49	16.79	18.40	21.01	22.13	22.98	25.28	25.24	28.36	29.90	39.93	59.45
PMP	16.79	25.16	30.77	32.98	36.69	39.42	43.07	46.95	50.76	57.09	61.22	83.27	137.62
MEAN	2.196	3.113	3.468	3.780	4.163	4.449	4.953	5.466	6.170	6.911	7.930	11.383	22.346
CLOCK HR. CUR.	1.146	1.770	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.305	1.667	1.405	1.411	1.408	1.424	1.426	1.472	1.471	1.486	1.486	1.546	1.413
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	2.179	3.264	3.533	3.146	2.984	5.546	4.871	4.545	3.503	3.483	3.450	2.879	2.617
N	38	38	38	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1963	1961	1956	1969	1956	1956	1956	1956	1956	1956	1956	1956	1952
RECORD MAXIMUM	2.480	5.237	4.908	7.110	8.700	10.290	11.260	12.170	12.680	14.880	16.410	21.890	37.860
NORMALIZED MAX	1.167	2.065	2.253	2.214	2.420	3.415	3.001	2.990	2.607	2.649	2.720	2.472	2.368
CALC. COEF. VAR	.267	.350	.404	.402	.400	.424	.426	.430	.417	.435	.432	.373	.293
REG. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.444	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.444	.421	.329
MEAN/A	.0983	.1349	.1552	.1692	.1863	.1991	.2217	.2446	.2761	.3093	.3549	.5094	1.0000
RP10/A	.1566	.2230	.2635	.2845	.3142	.3380	.3733	.4096	.4545	.5069	.5681	.7969	1.4371
RP25/A	.1901	.2767	.3314	.3590	.3991	.4277	.4657	.5102	.5540	.6218	.6833	.9475	1.6379
RP50/A	.2144	.3101	.3816	.4144	.4627	.4944	.5336	.5842	.6257	.7024	.7659	1.0546	1.7762
RP100/A	.2341	.3549	.4312	.4652	.5259	.5605	.6004	.6566	.6953	.7887	.8456	1.1576	1.9064
RP1000/A	.3140	.4907	.5927	.6489	.7336	.7769	.8168	.8924	.9170	1.0300	1.0979	1.4811	2.3014
RP10000/A	.3873	.6035	.7514	.8262	.9400	.9965	1.0283	1.1225	1.1290	1.2692	1.3382	1.7869	2.6605
PMP/A	.7513	1.1261	1.3772	1.4759	1.6421	1.7729	1.9275	2.1012	2.2725	2.5547	2.7398	3.7263	5.9350

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RHM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB										CODE
670 2467 0	CONNER MEM ST PARK	42	5937	17	17N	16E	E	M	39-32N	120+23E 29

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.40	4.77	5.51	6.10	6.61	7.11	8.42	9.41	10.89	11.89	13.86	19.54	39.93
5	4.95	7.24	8.62	9.48	10.34	11.15	13.00	14.45	16.26	17.79	20.11	27.68	52.15
10	5.90	8.94	10.80	11.70	12.60	13.45	16.17	17.93	19.78	21.65	24.13	32.83	59.33
20	6.95	10.58	12.91	14.28	15.74	16.88	19.21	21.28	23.08	25.27	27.86	37.57	65.49
25	7.25	11.10	13.58	15.02	16.54	17.78	20.17	22.34	24.11	26.40	29.02	39.03	67.62
40	7.89	12.17	14.98	16.59	18.39	19.67	22.17	24.54	26.23	28.73	29.59	42.05	71.54
50	8.18	12.68	15.64	17.33	19.24	20.56	23.11	25.57	27.23	29.62	32.53	43.45	73.33
100	9.09	14.24	17.68	19.63	21.86	23.30	26.00	28.76	30.26	33.14	35.92	47.69	78.71
200	9.97	15.77	19.69	21.90	24.48	26.03	28.85	31.90	33.22	36.39	39.22	51.81	83.83
1000	11.98	19.28	24.30	27.14	30.51	32.30	35.37	39.07	39.90	43.73	46.64	61.02	95.02
10000	14.78	24.21	30.80	34.50	39.08	41.18	44.53	49.16	45.15	53.88	56.84	73.62	109.84
PMP	28.67	45.17	56.46	61.74	68.27	73.71	83.47	91.99	98.89	108.45	116.37	153.51	245.03
MEAN	3.751	5.409	6.391	7.076	7.744	8.277	9.800	10.769	12.016	13.130	15.074	20.986	41.286
CLOCK HR. CUR.	1.140	1.674	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.561	1.361	1.676	1.596	1.575	1.859	1.856	1.430	1.237	1.594	1.694	1.351	.430
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	5.167	4.070	5.305	5.092	5.269	6.712	6.090	5.642	5.018	6.028	6.204	6.529	2.374
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.810	10.470	14.580	15.440	17.450	21.030	22.010	23.290	24.810	29.440	31.920	43.070	60.120
NORMALIZED MAX	1.953	1.962	2.488	2.403	2.608	2.964	2.820	2.738	2.509	2.706	2.694	2.991	1.715
CALC. COEF. VAR	.418	.477	.519	.492	.500	.520	.458	.451	.424	.459	.441	.352	.286
REG. COEF. VAR	.443	.490	.526	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0908	.1310	.1541	.1714	.1876	.2005	.2325	.2594	.2910	.3180	.3651	.5083	1.0000
RP10/A	.1447	.2166	.2616	.2862	.3163	.3403	.3916	.4344	.4791	.5244	.5845	.7952	1.4371
RP25/A	.1757	.2688	.3270	.3637	.4019	.4307	.4885	.5410	.5833	.6294	.7030	.9454	1.6379
RP50/A	.1924	.3071	.3769	.4169	.4590	.4957	.5597	.6109	.6595	.7223	.7919	1.0631	1.7762
RP100/A	.2201	.3448	.4281	.4754	.5236	.5644	.6298	.6765	.7328	.8028	.8700	1.1551	1.9064
RP1000/A	.2903	.4670	.5885	.6575	.7390	.7823	.8568	.9463	.9665	1.0592	1.1290	1.4780	2.3014
RP10000/A	.3581	.5864	.7461	.8371	.9466	.9974	1.0785	1.1903	1.1906	1.3051	1.3768	1.7831	2.6605
PMP/A	.6945	1.0940	1.3675	1.4954	1.6535	1.7853	2.0217	2.2281	2.3952	2.6269	2.8187	3.7183	5.9350

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. HSD ORDER SUB	STATION NAME	ELEV	SEC	TAP	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY				
670 7439 26	GLENHORN NEV	62	6400	16	146	18E	M	39.043	119.933	62			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.72	2.34	2.87	3.28	3.64	3.93	4.24	4.51	5.08	6.43	8.92	14.52	24.18
5	2.50	3.55	4.17	4.67	5.16	5.63	6.09	6.51	7.33	8.35	10.36	16.63	27.51
10	3.07	4.38	5.23	5.81	6.31	6.78	7.23	7.67	8.92	10.16	12.23	19.98	31.17
25	3.66	5.44	6.57	7.08	7.63	8.14	8.62	9.08	10.87	12.49	15.51	24.18	37.35
50	4.13	6.21	7.57	8.17	8.72	9.23	9.71	10.17	12.49	14.46	17.97	27.51	42.05
100	4.59	6.94	8.55	9.25	10.05	10.83	11.59	12.34	15.08	17.46	21.77	33.49	50.93
200	5.04	7.73	9.53	10.33	11.26	12.21	13.17	14.16	17.46	20.52	25.16	38.87	58.00
1000	6.08	9.45	11.76	12.90	14.03	15.15	16.26	17.35	21.79	25.52	31.70	48.05	70.93
10000	7.47	11.66	14.93	16.30	17.67	19.03	20.47	21.83	27.49	32.45	40.30	59.33	87.33
PMP	14.48	22.13	27.32	29.11	31.39	34.57	38.38	41.42	44.58	50.90	54.16	70.06	113.61
MEAN	1.894	2.455	3.078	3.336	3.561	3.782	4.013	4.222	5.417	6.163	7.015	9.578	19.142
CLOCK MR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CLOCKED SKEW	1.224	1.417	1.130	.971	1.124	1.010	1.290	1.312	1.091	1.021	1.000	.827	.881
REGIONAL SKEW	1.306	1.509	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.503	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	4.982	5.482	4.432	3.714	4.285	5.592	4.824	4.540	3.575	3.505	3.444	3.186	3.028
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1967	1956	1955	1956	1967	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.550	5.430	7.000	7.130	7.794	10.000	10.330	11.000	11.450	14.630	16.630	19.070	34.620
NORMALIZED MAX	2.236	2.457	2.659	2.448	2.488	2.961	2.656	2.816	2.391	2.443	2.580	2.413	2.167
CALC. COEF. VAR	.431	.442	.479	.451	.474	.532	.493	.480	.446	.446	.421	.373	.373
REGION. COEF. VAR	.443	.440	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.440	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0990	.1305	.1608	.1743	.1961	.2028	.2366	.2519	.2830	.3219	.3665	.5004	1.0000
RP10/A	.1577	.2209	.2730	.2931	.3138	.3443	.3883	.4218	.4508	.5308	.5886	.7827	1.4371
RP25/A	.1714	.2480	.3034	.3260	.3488	.3856	.4254	.4587	.4872	.5706	.6307	.8307	1.6379
RP50/A	.2158	.3249	.3955	.4289	.4522	.5038	.5550	.5812	.6112	.7008	.7768	1.0359	1.7762
RP100/A	.2397	.3644	.4468	.4834	.5253	.5704	.6245	.6763	.7126	.8127	.8732	1.1371	1.9064
RP1000/A	.3192	.4935	.6142	.6686	.7329	.7913	.8496	.9189	.9347	1.0722	1.1338	1.4544	2.3014
RP10000/A	.3760	.6197	.7756	.8513	.9389	1.0049	1.0695	1.1559	1.1577	1.3212	1.3819	1.7552	2.6605
PMP/A	.7365	1.1561	1.4271	1.5207	1.6401	1.8059	2.0648	2.1637	2.3294	2.6593	2.8292	3.6602	5.3550

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. HSD ORDER SUB	STATION NAME	ELEV	SEC	TAP	RNG LOT	HMM	LATITUDE	LONGITUDE	COUNTY CODE				
670 7365 26	HEND NEV	121	4397				39.500	114.783	62				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.01	1.22	1.28	1.30	1.40	1.49	1.64	1.77	1.94	2.15	2.51	3.42	7.48
5	1.47	1.86	2.00	2.02	2.17	2.34	2.61	2.71	2.88	3.22	3.65	4.84	9.76
10	1.78	2.29	2.51	2.54	2.77	2.94	3.25	3.37	3.52	3.92	4.38	5.74	11.11
20	2.07	2.71	3.00	3.05	3.34	3.53	3.84	4.00	4.10	4.58	5.05	6.57	12.30
25	2.16	2.85	3.16	3.21	3.52	3.72	4.05	4.21	4.29	4.78	5.26	6.83	12.66
40	2.35	3.12	3.49	3.54	3.90	4.12	4.45	4.61	4.67	5.21	5.37	7.35	13.39
50	2.44	3.25	3.64	3.70	4.09	4.30	4.64	4.80	4.84	5.40	5.90	7.60	13.73
100	2.71	3.65	4.11	4.19	4.64	4.88	5.22	5.40	5.38	6.01	6.51	8.34	14.73
200	2.97	4.05	4.58	4.68	5.14	5.45	5.79	5.99	5.91	6.60	7.11	9.06	14.69
1000	3.57	4.95	5.65	5.68	6.47	6.76	7.10	7.34	7.10	7.92	8.46	10.67	17.79
10000	4.40	6.21	7.17	7.38	8.29	8.62	9.04	9.23	8.74	9.76	10.31	12.87	20.56
PMP	8.54	11.59	13.13	13.19	14.49	15.43	16.76	17.28	17.59	19.66	21.10	26.84	45.87
MEAN	1.117	1.388	1.480	1.511	1.643	1.733	1.927	2.012	2.137	2.380	2.733	3.670	7.728
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CLOCKED SKEW	.987	1.365	1.739	1.588	1.641	1.422	1.379	1.500	1.501	1.474	1.266	1.272	.218
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	3.304	5.348	6.744	6.083	6.804	5.758	4.906	5.337	5.228	5.492	5.169	5.738	1.988
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	2.020	3.070	3.760	3.770	4.070	4.200	4.760	5.070	5.250	5.780	5.970	7.830	11.650
NORMALIZED MAX	1.899	2.835	2.991	2.967	3.125	3.180	3.215	3.242	3.257	3.282	2.908	3.020	1.482
CALC. COEF. VAR	.26	.400	.515	.504	.473	.475	.522	.527	.501	.479	.407	.375	.342
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.1445	.1796	.1915	.1956	.2126	.2242	.2494	.2603	.2765	.3079	.3537	.4748	1.0000
RP10/A	.2302	.2969	.3251	.3289	.3586	.3806	.4200	.4359	.4552	.5077	.5682	.7478	1.4371
RP25/A	.2484	.3388	.3750	.3750	.4059	.4279	.4673	.4832	.5027	.5552	.6157	.8032	1.4371
RP50/A	.3152	.4269	.4710	.4791	.5282	.5568	.6004	.6216	.6265	.6993	.7633	.9830	1.7762
RP100/A	.3500	.4726	.5321	.5425	.6003	.6312	.6755	.6996	.6963	.7773	.8426	1.0740	1.9064
RP1000/A	.4610	.6401	.7315	.7502	.8376	.8744	.9190	.9497	.9182	1.0255	1.0942	1.3866	2.3014
RP10000/A	.5595	.8036	.9273	.9552	1.0730	1.1155	1.1948	1.1961	1.2615	1.3337	1.4656	2.0605	3.4733
PMP/A	1.1047	1.4994	1.6996	1.7003	1.8743	1.9967	2.1685	2.2361	2.2757	2.5433	2.7300	3.4733	5.9350

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHEN N IS SMALL RESULTS ARE NOT DERENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 070 7641 0	STATION NAME SAGEMEN CREEK	ELEV 4337	SEC 07	TWP 19N	RNG LOT 16E R	HWM M	LATITUDE 39.432	LONGITUDE 120.240	COUNTY CODE 7				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.77	3.40	4.52	4.91	5.44	5.95	6.93	7.64	8.49	9.41	11.56	16.27	33.42
5	4.07	5.41	7.06	7.63	8.57	9.34	11.49	11.73	13.29	14.80	18.77	23.06	45.63
10	4.86	7.33	8.95	9.98	10.82	11.74	13.30	14.56	16.15	18.01	20.13	27.35	49.65
20	5.66	8.63	11.58	11.48	13.04	14.13	15.80	17.28	18.85	21.02	23.24	31.29	54.97
25	5.90	9.06	11.13	12.08	13.75	14.49	16.59	18.13	19.69	21.96	24.21	32.51	56.58
40	6.42	9.93	12.28	11.35	13.24	14.46	18.24	19.82	21.42	23.90	26.46	35.02	59.86
50	6.68	10.35	12.82	11.95	13.94	15.21	19.01	20.76	22.23	24.81	27.13	36.19	61.36
100	7.39	11.82	14.44	15.79	18.12	19.51	21.30	23.34	24.71	27.58	29.96	39.73	65.86
200	8.12	12.67	16.13	17.63	20.28	21.79	23.74	25.89	27.13	30.28	32.71	43.15	70.15
1000	10.90	15.73	19.91	21.84	25.24	27.04	29.10	31.72	32.58	36.38	38.90	50.83	79.51
10000	12.03	17.95	25.24	27.81	32.34	34.47	36.63	39.90	40.14	44.83	47.41	61.32	91.91
PMP	23.34	36.86	46.26	49.68	58.57	61.71	68.67	74.68	80.76	90.23	97.07	127.88	205.04
MEAN	3.052	4.414	5.212	5.694	6.417	6.930	7.497	8.494	9.812	10.924	12.574	17.481	34.547
CLOCK HR. COEF.	1.140	1.170	1.040	1.020	1.113	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.427	1.656	1.728	1.622	1.975	2.218	2.025	1.777	1.216	1.504	1.583	1.268	1.528
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600
KURTOSIS	5.871	6.320	5.613	5.427	7.562	7.044	7.895	7.203	5.219	5.882	6.195	4.713	2.449
N	21	21	21	21	21	21	21	21	21	21	21	21	22
RECORD YEAR	1966	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.480	9.760	12.180	12.690	17.020	19.420	21.450	22.360	22.760	26.690	29.980	38.080	55.570
NORMALIZED MAX	2.274	2.581	2.586	2.317	3.150	3.361	3.520	3.506	3.208	3.200	3.100	2.468	1.956
CALC. COEF. VAR	.350	.459	.517	.487	.523	.540	.533	.507	.470	.489	.458	.429	.311
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0884	.1278	.1509	.1648	.1858	.2008	.2288	.2517	.2840	.3162	.3640	.5060	1.0000
NP10/A	.1408	.2112	.2561	.2772	.3133	.3405	.3849	.4214	.4675	.5214	.5826	.7916	1.4371
NP25/A	.1760	.2662	.3280	.3510	.4010	.4360	.4982	.5294	.5808	.6357	.7042	.9412	1.6356
NP50/A	.1927	.2895	.3710	.4037	.4614	.4981	.5503	.6010	.6536	.7181	.7854	1.0476	1.7762
NP100/A	.2140	.3363	.4132	.4571	.5244	.5647	.6191	.6757	.7152	.7982	.8673	1.1499	1.9064
NP1000/A	.2823	.4554	.5763	.6322	.7318	.7827	.8423	.9181	.9432	1.0531	1.1250	1.4713	2.3014
NP10000/A	.3483	.5718	.7305	.8050	.9374	.9979	1.0603	1.1548	1.1619	1.2976	1.3728	1.7751	2.6605
PMP/A	.4755	1.0669	1.3309	1.4379	1.8375	1.7862	1.9876	2.1617	2.3370	2.6118	2.8098	3.7015	5.9350

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 070 8758 0	STATION NAME TAMU CITY	ELEV 133	SEC 6230	TWP 10N	RNG LOT 17E W	HWM M	LATITUDE 39.166	LONGITUDE 120.140	COUNTY CODE 31				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.85	3.93	4.52	4.95	5.41	5.80	6.60	7.18	8.50	9.44	11.07	15.83	30.53
5	4.14	5.95	7.06	7.69	8.46	9.11	10.19	11.03	12.70	14.11	16.06	22.42	39.87
10	5.01	7.36	8.95	9.98	10.82	11.47	12.67	13.69	15.45	17.18	19.27	26.59	45.36
20	5.82	8.70	10.59	11.57	12.67	13.78	15.04	16.24	18.02	20.05	22.25	30.43	50.22
25	6.08	9.13	11.14	12.19	13.57	14.52	15.81	17.05	18.82	20.95	23.18	31.62	51.70
40	6.61	10.01	12.28	13.46	15.04	16.06	17.38	18.73	20.49	22.80	25.63	34.06	54.69
50	6.85	10.43	12.82	14.07	15.74	16.78	18.12	19.52	21.26	23.67	25.98	35.20	56.06
100	7.61	11.71	14.49	15.93	17.89	19.03	20.38	21.95	23.63	26.30	28.88	38.63	61.17
200	8.35	12.97	16.14	17.76	20.02	21.25	22.62	24.34	25.94	28.88	31.32	41.97	64.09
1000	10.04	15.86	19.92	22.03	24.96	26.37	27.63	29.82	31.16	34.70	37.24	49.43	72.64
10000	12.38	19.91	25.25	28.05	31.47	33.63	34.91	37.51	38.38	42.76	45.39	59.64	83.98
PMP	24.62	37.15	46.28	50.10	55.85	60.19	65.44	70.21	77.22	86.07	92.93	124.36	187.33
MEAN	3.142	4.449	5.214	5.742	6.335	6.759	7.526	8.174	9.383	10.420	12.038	17.001	31.564
CLOCK HR. COEF.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.594	1.206	1.362	1.340	1.214	1.248	1.331	1.420	1.304	1.083	1.537	1.008	1.008
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.900	2.000	2.100	2.200	2.300	2.400	2.500	2.600
KURTOSIS	5.951	3.989	4.517	4.580	4.473	4.822	5.394	5.840	5.768	7.265	6.421	4.211	3.217
N	54	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965
RECORD MAXIMUM	7.500	10.240	13.240	15.790	17.230	18.060	20.380	22.270	25.990	31.110	32.420	37.630	56.640
NORMALIZED MAX	2.831	2.538	2.807	3.114	3.244	3.203	3.493	3.556	3.705	3.977	3.708	2.917	2.567
CALC. COEF. VAR	.490	.513	.548	.554	.530	.522	.489	.485	.479	.499	.457	.416	.310
REGION. COEF. VAR	.490	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.490	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	.0995	.1410	.1652	.1819	.2067	.2141	.2384	.2599	.2973	.3301	.3814	.5386	1.0000
NP10/A	.1586	.2331	.2805	.3054	.3385	.3635	.4015	.4337	.4893	.5443	.6105	.8426	1.4371
NP25/A	.1925	.2892	.3528	.3860	.4301	.4600	.5009	.5402	.5964	.6637	.7344	1.0018	1.6379
NP50/A	.2171	.3305	.4063	.4456	.4985	.5318	.5740	.6184	.6736	.7498	.8230	1.1551	1.7062
NP100/A	.2411	.3710	.4591	.5046	.5667	.6028	.6458	.6954	.7485	.8334	.9088	1.2840	1.9694
NP1000/A	.3181	.5025	.6310	.6929	.7907	.8356	.8786	.9448	.9872	1.0995	1.1799	1.5651	2.3014
NP10000/A	.3923	.6309	.7999	.8886	1.0129	1.0653	1.1060	1.1884	1.2161	1.3547	1.4382	1.8894	2.6605
PMP/A	.1030	1.1771	1.4662	1.5873	1.7693	1.9069	2.0733	2.2245	2.4466	2.7269	2.9444	3.9400	5.9350

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY
670 9043 0	THUCKEE RS	141	5945	10	17N	16E	P M	34.330	120.169	29
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.49	3.54	4.11	4.52	4.89	5.34	6.13	6.77	8.00	8.93
5	3.01	5.36	6.43	7.03	7.64	8.37	9.47	10.40	11.95	13.35
10	4.37	6.63	8.06	8.93	9.65	10.55	11.74	12.90	14.54	16.25
20	6.08	7.84	9.63	10.58	11.63	12.67	13.99	15.31	16.96	18.67
25	5.30	8.22	10.13	11.14	12.27	13.35	14.69	16.07	17.72	19.62
40	5.76	9.02	11.10	12.34	13.59	14.76	16.15	17.66	19.28	21.37
50	5.98	9.40	11.67	12.90	14.22	15.43	16.83	18.40	20.01	22.39
100	6.64	10.55	13.19	14.56	16.16	17.49	18.94	20.69	22.84	24.88
200	7.29	11.67	14.69	16.25	18.09	19.54	21.07	22.94	24.42	27.32
1000	10.00	16.76	14.29	18.13	21.14	22.45	25.77	28.11	29.33	32.83
10000	10.00	16.76	17.54	22.56	25.64	28.49	30.91	32.43	35.35	36.13
PMP	20.95	33.47	42.12	45.80	50.46	55.33	60.80	66.18	72.69	81.42
MEAN	2.74	4.009	4.746	5.250	5.725	6.213	6.992	7.704	8.833	9.858
CLOCK HR. CUR.	1.140	1.770	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.254	1.348	1.490	1.235	1.223	1.614	1.557	1.633	1.131	1.424
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.700	1.700	1.500	1.500	1.200	1.200
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100
KURTOSIS	4.542	4.840	4.638	5.072	7.968	6.413	6.854	4.905	5.297	4.662
N	59	59	59	59	59	59	59	59	59	59
RECORD YEAR	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.210	7.910	11.490	11.760	13.810	17.370	18.270	20.420	20.830	26.790
NORMALIZED MAX	2.450	2.654	3.420	3.104	3.600	4.250	3.816	3.507	3.238	3.274
CALC. COEF. VAR	.360	.367	.416	.404	.420	.422	.422	.425	.419	.408
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
MEAN/A	.0915	.1338	.1584	.1752	.1911	.2074	.2334	.2572	.2949	.3291
RP10/A	.1458	.2212	.2690	.2947	.3223	.3521	.3931	.4307	.4854	.5426
RP25/A	.1745	.2745	.3389	.3719	.4054	.4455	.4915	.5364	.5915	.6616
RP50/A	.1996	.3137	.3896	.4293	.4747	.5151	.5619	.6142	.6801	.7474
RP100/A	.2210	.3522	.4402	.4861	.5395	.5839	.6322	.6906	.7425	.8307
RP1000/A	.2924	.4770	.6051	.6273	.7528	.8694	.8601	.9382	.9791	1.0960
RP10000/A	.3606	.5989	.7671	.8560	.9644	1.0319	1.0824	1.2062	1.3504	1.4428
PMP/A	.6995	1.1174	1.4060	1.5290	1.6846	1.8471	2.0294	2.2091	2.4266	2.7181

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY
880 1485 0	CARSON CITY	4675	17	15N	20E	M		39.167	119.767	29
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.58	2.17	2.40	2.68	2.53	2.67	3.01	3.20	3.56	4.45
5	2.30	3.30	3.76	3.85	3.95	4.19	4.95	4.92	5.31	6.05
10	2.78	4.07	4.71	4.83	4.99	5.27	5.78	6.10	6.46	7.37
20	3.23	4.82	5.63	5.79	6.02	6.33	6.86	7.24	7.54	8.60
25	3.38	5.05	5.93	6.10	6.34	6.67	7.21	7.60	7.87	8.98
40	3.67	5.54	6.54	6.74	7.03	7.38	7.92	8.35	8.57	9.77
50	3.81	5.77	6.83	7.04	7.35	7.71	8.26	8.70	8.89	10.15
100	4.23	6.48	7.71	7.97	8.36	8.74	9.29	9.79	9.88	11.28
200	4.64	7.18	8.59	8.89	9.36	9.77	10.31	10.85	10.85	12.38
1000	5.58	8.78	10.60	11.02	11.66	12.12	12.64	13.30	13.03	14.68
10000	6.88	11.02	13.44	14.03	14.94	15.45	15.92	16.72	16.05	18.33
PMP	13.35	20.56	24.63	25.07	26.10	27.66	29.63	31.31	32.30	36.90
MEAN	1.746	2.462	2.775	2.873	2.961	3.106	3.431	3.644	3.925	4.467
CLOCK HR. CUR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	.630	1.2074	1.501	1.374	1.367	1.431	1.187	1.067	.901	.814
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100
KURTOSIS	2.778	3.619	4.676	4.246	4.229	4.661	3.912	3.383	3.000	2.752
N	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1951	1963	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.120	5.540	7.630	7.820	8.070	8.850	9.490	9.590	10.560	11.930
NORMALIZED MAX	1.435	1.900	2.329	2.347	2.413	2.530	2.412	2.265	2.144	2.056
CALC. COEF. VAR	.549	.658	.751	.734	.715	.712	.673	.671	.637	.636
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
MEAN/A	.1470	.2072	.2336	.2418	.2492	.2614	.2888	.3068	.3363	.4239
RP10/A	.2341	.3566	.3960	.4203	.4403	.4663	.5137	.5439	.6200	.6785
RP25/A	.2842	.4252	.4989	.5132	.5340	.5616	.6067	.6399	.6627	.7559
RP50/A	.3206	.4858	.5745	.5924	.6191	.6492	.7026	.7485	.8540	.9147
RP100/A	.3560	.5454	.6491	.6708	.7030	.7360	.7822	.8237	.8818	.9492
RP1000/A	.4106	.7387	.8273	.8277	.9818	1.0812	1.192	1.282	1.0770	1.3113
RP10000/A	.5792	.9275	1.1311	1.1912	1.2577	1.3006	1.3396	1.4078	1.3514	1.5430
PMP/A	1.1235	1.7305	2.0733	2.1099	2.1969	2.3280	2.5112	2.6352	2.7187	3.1058

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 080 5356 0	STATION NAME MARKLEEVILLE		ELEV 5546	SEC 21	TWP 10N	RNG LOT 20E 0	RHW M	LATITUDE 38.69N	LONGITUDE 119.78W	COUNTY CODE 02
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.34	3.05	3.43	3.53	3.67	3.98	4.42	4.79	5.34	6.23
5	3.39	4.64	5.36	5.49	5.74	6.24	6.82	7.36	7.98	9.31
10	4.10	5.73	6.72	6.89	7.24	7.86	8.48	9.13	9.71	11.34
20	4.77	6.78	8.04	8.26	8.73	9.44	10.08	10.84	11.33	13.23
25	4.98	7.11	8.45	8.70	9.20	9.94	10.59	11.37	11.83	13.82
40	5.41	7.80	9.32	9.61	10.20	11.04	11.84	12.50	12.84	15.65
50	5.61	8.12	9.73	10.04	10.67	11.50	12.13	13.02	13.37	15.62
100	6.23	9.12	11.00	11.37	12.13	13.03	13.65	14.64	14.85	17.36
200	6.84	10.11	12.25	12.69	13.58	14.56	15.14	16.31	16.06	19.74
1000	8.22	12.35	15.12	15.72	16.92	18.06	18.57	19.69	19.59	22.90
10000	10.14	15.51	19.16	20.02	21.86	23.03	23.37	25.03	24.13	28.22
PMP	19.66	28.94	35.13	35.76	37.86	41.72	43.81	46.84	48.55	56.79
MEAN	2.574	3.466	3.958	4.098	4.295	4.629	5.039	5.453	5.894	6.876
CLOCK HR. COR.	1.140	1.674	1.840	1.820	1.810	1.810	1.800	1.800	1.800	1.800
CALCULATED SKEW	1.620	1.643	1.940	1.760	1.800	2.144	2.094	1.987	1.978	1.637
REGIONAL SKEW	1.308	1.500	1.600	1.600	1.800	1.726	1.500	1.500	1.200	1.100
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100

KURTOSIS	4.815	6.357	6.624	5.711	6.117	8.073	7.962	7.560	7.676	5.733
N	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	5.000	9.200	11.800	11.900	13.400	16.000	17.300	19.510	19.510	21.560
NORMALIZED MAX	1.938	2.659	2.782	2.698	2.909	3.273	3.226	3.241	2.930	2.946
CALC. COEF. VAR	.486	.624	.712	.706	.730	.762	.743	.713	.671	.627
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
MEAN/A	1.245	1.676	1.914	1.982	2.078	2.239	2.437	2.638	2.853	3.336
RP10/A	1.163	1.771	2.033	2.103	2.208	2.381	2.610	2.843	3.073	3.623
RP25/A	1.247	1.839	2.088	2.206	2.342	2.510	2.720	2.941	3.166	3.742
RP50/A	1.275	1.929	2.168	2.285	2.431	2.606	2.826	3.047	3.272	3.848
RP100/A	1.305	1.982	2.231	2.358	2.514	2.699	2.929	3.150	3.371	3.947
RP1000/A	1.377	2.075	2.342	2.480	2.646	2.841	3.071	3.292	3.513	4.089
RP10000/A	1.496	2.252	2.548	2.706	2.892	3.113	3.344	3.565	3.786	4.362
PMP/A	9.516	13.997	16.889	17.725	18.313	19.938	21.189	22.657	23.479	27.969

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 080 5678 26	STATION NAME MINDEN NEVADA		ELEV 4700	SEC 32	TWP 13N	RNG LOT 20E	RHW M	LATITUDE 38.95N	LONGITUDE 119.74W	COUNTY CODE 62	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.25	1.56	1.71	1.74	1.79	1.88	2.13	2.26	2.44	2.68	3.17
5	1.82	2.37	2.67	2.71	2.80	2.94	3.30	3.46	3.65	4.01	4.60
10	2.20	2.92	3.35	3.40	3.53	3.71	4.10	4.30	4.44	4.88	5.52
20	2.56	3.46	4.01	4.08	4.26	4.45	4.87	5.10	5.18	5.70	6.37
25	2.67	3.63	4.22	4.29	4.49	4.69	5.11	5.36	5.41	5.95	6.64
40	2.91	3.98	4.65	4.74	4.97	5.19	5.62	5.88	5.89	6.48	6.77
50	3.02	4.15	4.86	4.95	5.20	5.42	5.86	6.13	6.11	6.72	7.44
100	3.35	4.65	5.49	5.61	5.91	6.15	6.59	6.89	6.79	7.47	8.30
200	3.68	5.16	6.11	6.26	6.62	6.87	7.32	7.65	7.46	8.20	9.07
1000	4.62	6.30	7.54	7.61	8.25	8.52	8.97	9.37	8.96	9.86	10.66
10000	5.45	7.91	9.56	9.68	10.57	10.87	11.29	11.78	11.03	12.15	13.60
PMP	10.57	17.47	17.52	17.65	18.47	19.45	21.17	22.05	22.20	24.45	26.61
MEAN	1.383	1.768	1.974	2.023	2.095	2.184	2.434	2.567	2.697	2.960	3.447
CLOCK HR. COR.	1.140	1.674	1.840	1.820	1.810	1.810	1.800	1.800	1.800	1.800	1.800
CALCULATED SKEW	1.620	1.643	1.940	1.760	1.800	1.700	1.500	1.500	1.200	1.100	1.000
REGIONAL SKEW	1.308	1.500	1.600	1.600	1.800	1.700	1.500	1.500	1.200	1.100	1.000
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.100	1.000

KURTOSIS	5.109	7.266	7.486	7.244	7.453	7.894	6.458	6.546	6.487	4.905
N	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1963	1956	1954	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	3.030	4.580	5.840	5.980	6.330	6.580	7.070	7.260	7.340	7.940
NORMALIZED MAX	2.082	2.626	3.017	3.092	3.202	3.273	3.158	3.178	3.175	2.818
CALC. COEF. VAR	.572	.605	.649	.633	.631	.615	.603	.575	.542	.550
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484
MEAN/A	1.610	2.058	2.298	2.354	2.439	2.542	2.834	2.988	3.139	3.445
RP10/A	1.564	2.043	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
RP25/A	1.613	2.022	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
RP50/A	1.651	2.025	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
RP100/A	1.694	2.028	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
RP1000/A	1.736	2.031	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
RP10000/A	1.778	2.034	2.301	2.359	2.443	2.546	2.834	2.988	3.139	3.445
PMP/A	12.306	17.186	20.639	20.542	21.496	22.640	24.837	25.670	25.935	28.848

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEROGABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY	CODE		
ORDER 5UB 880 9775 0	WOODFORDS	5671	J5	11N	19E	E	M	38.776	119.824	02			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.15	3.40	3.62	3.89	4.11	4.59	4.93	5.60	6.22	7.30	10.31	19.96
5	3.51	4.78	5.32	5.62	6.09	6.44	7.09	7.57	8.36	9.31	10.59	14.61	26.06
10	4.24	5.91	6.66	7.05	7.70	8.12	8.81	9.40	10.17	11.33	12.70	17.33	29.65
20	4.93	6.92	7.97	8.46	9.27	9.75	10.47	11.15	11.87	13.23	14.67	19.83	32.83
25	5.14	7.33	8.38	8.90	9.78	10.27	11.00	11.70	12.40	13.82	15.28	20.60	33.79
40	5.59	8.04	9.25	9.84	10.84	11.36	12.09	12.86	13.49	15.04	16.58	22.19	35.75
50	5.80	8.38	9.65	10.28	11.34	11.88	12.60	13.41	14.00	15.61	17.13	22.93	36.65
100	6.44	9.41	10.91	11.64	12.86	13.46	14.18	15.06	15.56	17.35	19.01	25.17	39.33
200	7.07	10.42	12.15	12.99	14.42	15.04	15.73	16.71	17.09	19.05	20.65	27.35	41.89
1000	8.50	12.74	14.99	16.09	17.98	18.66	19.29	20.47	20.53	22.89	24.55	32.21	47.48
10000	10.49	16.00	19.01	20.49	23.03	23.79	24.28	25.75	25.28	28.21	29.93	38.66	54.89
PMP	20.34	29.84	34.83	36.40	40.23	42.59	45.51	48.19	50.87	56.78	61.27	81.03	122.45
MEAN	2.660	3.574	3.925	4.195	4.564	4.782	5.235	5.611	6.181	6.874	7.937	11.077	20.432
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.055	1.598	1.586	1.223	1.420	1.478	1.465	1.378	1.082	1.161	1.200	.904	.107
REGIONAL SKEW	1.200	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600

KURTOSIS	7.469	6.529	5.895	4.510	5.649	6.094	6.006	5.608	4.688	4.416	4.524	4.027	2.263
N	37	37	37	37	37	37	37	37	37	37	37	37	37
RECORD YEAR	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
RECORD MAXIMUM	6.190	9.300	10.350	10.360	13.050	14.100	15.530	15.870	16.100	16.950	19.050	24.320	32.510
NORMALIZED MAX	2.707	3.195	3.014	2.815	3.363	3.440	3.511	3.414	3.201	2.915	2.946	2.849	1.817
CALC. COEF. VAR	.440	.501	.543	.522	.553	.560	.536	.536	.501	.503	.475	.420	.317
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	1.289	1.732	1.902	2.033	2.212	2.318	2.537	2.719	2.996	3.331	3.847	5.369	1.0000
RP10/A	2.054	2.884	3.230	3.419	3.730	3.935	4.272	4.554	4.931	5.493	6.158	8.398	1.4371
RP25/A	2.694	3.554	4.063	4.315	4.740	4.979	5.330	5.672	6.010	6.668	7.407	9.986	1.6379
RP50/A	2.812	4.061	4.627	4.841	5.495	5.786	6.107	6.408	6.788	7.566	8.501	11.114	1.7762
RP100/A	3.123	4.559	5.286	5.640	6.445	6.826	7.301	7.543	8.010	9.066	1.0106	1.2800	1.9064
RP1000/A	4.120	6.175	7.267	7.880	8.714	9.045	9.944	9.920	10.944	11.095	11.901	15.610	2.3014
RP10000/A	5.082	7.753	9.211	9.931	11.162	11.532	11.769	12.478	12.255	13.671	14.505	18.633	2.6605
PMP/A	9.857	14.465	16.684	17.740	19.449	20.642	22.060	23.358	24.655	27.518	29.697	33.272	5.9350

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. 85N ORDER SUB 090 1075 0	STATION NAME BRIDGEPORT DAM	ELEV 13	SEC 6420	TWP 34	RNG LOT 06N 25E	RWM M	LATITUDE 38.317	LONGITUDE 119.217	COUNTY 26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.48	1.80	1.94	2.00	2.08	2.23	2.43	2.60	2.93	3.15	3.67	4.93	9.96
5	2.14	2.73	3.03	3.11	3.26	3.50	3.75	3.99	4.37	4.72	5.33	6.99	13.00
10	2.59	3.37	3.80	3.91	4.12	4.41	4.67	4.95	5.31	5.74	6.39	8.28	14.79
20	3.01	3.98	4.55	4.69	4.96	5.30	5.54	5.87	6.20	6.70	7.38	9.48	16.38
25	3.15	4.18	4.78	4.93	5.23	5.58	5.82	6.16	6.48	7.00	7.69	9.85	16.86
40	3.62	4.59	5.28	5.45	5.80	6.17	6.40	6.77	7.05	7.62	8.44	10.61	17.84
50	3.55	4.77	5.51	5.70	6.07	6.45	6.67	7.06	7.32	7.91	8.62	10.96	18.28
100	3.94	5.36	6.22	6.45	6.89	7.31	7.50	7.93	8.13	8.79	9.51	12.04	19.62
200	4.33	5.94	6.93	7.20	7.72	8.16	8.33	8.80	8.93	9.65	10.39	13.08	20.90
1000	5.20	7.26	8.55	8.92	9.62	10.13	10.21	10.76	10.72	11.60	12.35	15.40	23.69
10000	6.41	9.11	10.84	11.36	12.32	12.92	12.85	13.56	13.21	14.29	15.05	18.58	27.39
PMP	12.44	17.01	19.88	20.29	21.53	23.12	24.09	25.38	26.57	28.76	30.82	38.74	61.10
MEAN	1.627	2.037	2.239	2.325	2.442	2.596	2.770	2.954	3.229	3.482	3.992	5.296	10.294
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.859	1.754	1.779	1.541	1.327	1.259	1.303	1.229	1.157	1.006	.938	1.074	.805
REGIONAL SKEW	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
SKEW USED	1.300	1.500	1.600	1.700	1.800	1.700	1.500	1.500	1.200	1.200	1.100	1.000	.600
KURTOSIS	3.002	6.540	6.463	5.694	4.975	4.784	4.766	4.601	4.479	3.990	4.295	5.050	3.476
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1969	1969	1969
RECORD MAXIMUM	3.040	6.050	7.050	7.050	7.050	7.340	7.340	7.630	7.960	8.190	9.310	13.740	20.480
NORMALIZED MAX	1.798	3.163	3.203	3.186	3.069	2.854	2.732	2.720	2.768	2.621	2.767	3.443	2.670
CALC. COEF. VAR	.483	.623	.666	.634	.617	.601	.604	.582	.529	.510	.458	.468	.371
REGION. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.329
MEAN/A	1.580	1.978	2.175	2.259	2.373	2.522	2.691	2.870	3.137	3.302	3.878	5.145	1.0000
RP10/A	2.519	3.271	3.693	3.799	4.001	4.282	4.532	4.806	5.103	5.577	6.208	8.048	1.4371
RP25/A	3.056	4.053	4.693	4.793	5.084	5.418	5.654	5.908	6.293	6.800	7.448	9.619	1.6379
RP50/A	3.447	4.638	5.350	5.533	5.993	6.264	6.478	6.654	7.107	7.682	8.369	1.0651	1.7762
RP100/A	3.826	5.207	6.045	6.265	6.698	7.101	7.289	7.706	7.898	8.538	9.241	1.1692	1.9064
RP1000/A	5.049	7.052	8.310	8.665	9.346	9.842	9.916	10.470	10.016	11.265	11.998	14.959	2.3014
RP10000/A	6.228	8.854	11.314	11.933	12.772	13.191	12.483	13.171	12.831	13.880	14.424	18.068	2.6605
PMP/A	12.081	16.520	19.308	19.707	21.014	22.461	23.399	24.652	25.814	27.939	29.941	31.735	5.9350

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
T09 360 1	ATASCADERO SLO 145	478	940	23	285	12E	M	35.475	120.655	40			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.77	3.16	3.52	3.81	3.99	4.07	4.65	5.02	5.69	6.24	7.26	10.34	17.57
5	3.93	4.65	5.25	5.68	5.95	6.19	7.12	7.63	8.90	9.42	10.89	15.49	24.71
10	4.70	5.68	6.43	6.93	7.24	7.61	8.82	9.43	10.57	11.59	13.34	19.05	29.38
20	5.43	6.57	7.36	8.11	8.44	8.75	10.44	11.16	12.45	13.65	15.69	22.48	33.76
25	5.65	6.98	7.91	8.48	8.82	9.37	10.98	11.71	13.04	14.30	16.42	23.56	35.12
40	6.13	7.63	8.64	9.25	9.59	10.23	12.06	12.85	14.27	15.65	17.95	25.81	37.94
50	6.35	7.94	8.99	9.61	9.95	10.64	12.56	13.35	14.85	16.23	18.67	26.97	39.26
100	7.02	8.80	10.05	10.77	11.09	11.88	14.12	15.03	16.62	18.22	20.87	30.72	43.88
200	7.68	9.81	11.08	11.78	12.14	13.10	15.65	16.65	18.36	20.13	23.04	33.33	47.21
1000	9.19	11.93	13.45	14.22	14.58	15.67	19.16	20.36	22.32	24.47	27.97	40.67	56.09
10000	11.26	14.90	16.76	17.62	17.99	19.72	24.09	25.97	27.85	30.34	34.87	50.97	68.37
PMP	21.66	27.57	31.94	34.49	35.11	38.81	45.05	47.72	53.27	58.41	66.52	94.79	134.38
MEAN	3.036	3.544	3.938	4.234	4.404	4.550	5.290	5.695	6.391	7.008	8.142	11.666	19.074
CLOCK NR. COR.	1.1588	1.3112	1.4719	1.6220	1.6885	1.7337	1.9882	1.9981	1.9981	1.9811	1.9201	1.9001	1.9841
CALCULATED SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	6.170	5.201	3.141	2.679	3.297	3.251	5.694	6.438	4.985	5.648	5.041	6.986	4.186
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1969	1969	1969	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.640	7.900	8.090	8.390	9.820	9.910	14.950	16.216	16.350	18.750	19.730	30.620	39.270
NORMALIZED MAX	2.403	2.408	2.084	1.937	2.325	2.305	2.983	3.106	2.858	2.976	2.772	3.162	2.435
CALC. COEF. VAR	.494	.494	.509	.507	.529	.511	.612	.599	.545	.563	.514	.519	.435
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	1.591	1.858	2.065	2.220	2.309	2.385	2.774	2.983	3.351	3.674	4.269	6.116	1.0000
RP10/A	2.463	2.977	3.373	3.635	3.794	3.989	4.626	4.944	5.541	6.075	6.996	9.990	1.5402
RP25/A	2.964	3.660	4.147	4.447	4.622	4.910	5.786	6.138	6.837	7.496	8.610	1.2350	1.8413
RP50/A	3.327	4.161	4.713	5.037	5.219	5.579	6.586	7.015	7.784	8.535	9.769	1.4086	2.0584
RP100/A	3.681	4.654	5.266	5.612	5.799	6.231	7.401	7.877	8.711	9.551	1.0943	1.3791	2.2692
RP1000/A	4.817	6.253	7.051	7.456	7.644	8.320	1.0046	1.0673	1.1699	1.2828	1.4664	2.1320	2.9404
RP10000/A	5.913	7.814	8.785	9.235	9.415	1.0337	1.2630	1.3404	1.4602	1.6010	1.8279	2.6722	3.5842
PMP/A	1.1355	1.4454	1.6745	1.8069	1.8931	2.0346	2.3617	2.5018	2.7929	3.0622	3.4874	4.9693	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
T09 1743 0	CHOLAME HATCH RANCH	1975	12	265	16E		N	35.683	120.200	40			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.37	1.68	1.79	1.92	1.99	2.11	2.31	2.47	2.91	3.14	3.68	5.07	9.00
5	1.94	2.46	2.69	2.86	2.94	3.21	3.54	3.75	4.39	4.75	5.52	7.40	12.66
10	2.33	3.03	3.28	3.49	3.61	3.95	4.38	4.64	5.40	5.84	6.77	9.35	15.05
20	2.68	3.56	3.85	4.08	4.21	4.64	5.20	5.49	6.36	6.87	7.95	11.02	17.30
25	2.80	3.72	4.03	4.27	4.39	4.86	5.45	5.76	6.66	7.20	8.33	11.55	18.00
40	3.03	4.07	4.40	4.65	4.78	5.31	5.99	6.32	7.29	7.88	9.10	12.66	19.44
50	3.14	4.23	4.58	4.83	4.96	5.52	6.24	6.58	7.59	8.20	9.47	13.18	20.12
100	3.48	4.73	5.11	5.39	5.51	6.17	7.01	7.39	8.49	9.17	10.56	14.77	22.18
200	3.80	5.23	5.64	5.93	6.05	6.80	7.78	8.19	9.38	10.13	11.68	16.35	24.19
1000	4.55	6.36	6.85	7.15	7.27	8.24	9.52	10.01	11.40	12.32	14.18	19.95	28.74
10000	5.58	7.95	8.53	8.86	8.95	10.23	11.97	12.57	14.23	15.36	17.68	25.00	35.03
PMP	10.72	14.70	16.26	17.34	17.99	20.14	22.38	23.47	27.22	29.41	33.73	46.49	68.85
MEAN	1.502	1.889	2.005	2.130	2.194	2.361	2.629	2.800	3.265	3.529	4.129	5.722	9.773
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.729	1.337	1.496	1.375	1.330	1.108	1.378	1.496	1.500	1.463	1.531	1.873	1.463
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.056	4.588	4.833	4.437	4.166	3.283	4.747	5.332	5.571	5.023	5.089	7.166	4.083
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1969	1967	1969	1969	1967	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.390	3.760	4.300	4.600	4.670	5.090	6.850	7.437	8.530	8.740	9.791	15.130	20.740
NORMALIZED MAX	1.522	2.154	2.345	2.421	2.421	2.164	2.934	2.981	2.981	2.981	2.903	3.309	2.524
CALC. COEF. VAR	.368	.458	.488	.469	.452	.533	.567	.560	.542	.522	.527	.517	.444
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	1.537	1.933	2.052	2.179	2.245	2.416	2.690	2.865	3.341	3.610	4.224	5.854	1.0000
RP10/A	2.379	3.078	3.332	3.569	3.690	4.040	4.488	4.745	5.525	5.970	6.923	9.962	1.5402
RP25/A	2.823	3.688	4.041	4.378	4.493	4.973	5.561	5.817	7.017	7.567	8.791	1.182	1.8413
RP50/A	3.214	4.330	4.683	4.946	5.076	5.650	6.385	6.733	7.761	8.387	9.688	1.3483	2.0584
RP100/A	3.556	4.843	5.234	5.510	5.639	6.310	7.177	7.590	8.685	9.366	1.0830	1.5115	2.2692
RP1000/A	4.653	6.506	7.007	7.320	7.434	8.426	9.742	1.0243	1.1668	1.2605	1.4513	2.0408	2.9404
RP10000/A	5.712	8.130	8.730	9.067	9.159	1.0299	1.2584	1.3359	1.5734	1.6970	2.0578	2.8582	3.5842
PMP/A	1.0588	1.5039	1.6641	1.7740	1.8411	2.0608	2.2902	2.4012	2.7846	3.0093	3.4913	4.7567	7.0450

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
709 4963 0	LINN RANCH SLO 45	470	870	07	265	12E	F M	35.685	120.724	40

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.89	2.40	2.87	3.03	3.21	3.31	3.53	3.93	4.49	4.86	5.75
5	2.68	3.54	4.29	4.52	4.70	5.04	5.40	6.00	6.70	7.35	8.62
10	3.21	4.32	5.25	5.51	5.83	6.20	6.69	7.42	8.34	9.04	10.56
20	3.70	5.07	6.17	6.43	6.79	7.29	7.84	8.78	9.83	10.69	12.42
25	3.86	5.31	6.46	6.78	7.10	7.63	8.33	9.21	10.30	11.15	13.00
40	4.18	5.81	7.06	7.36	7.72	8.33	9.15	10.11	11.27	12.21	14.21
50	4.43	6.04	7.34	7.64	8.00	8.67	9.51	10.51	11.72	12.73	14.83
100	4.79	6.76	8.20	8.52	8.90	9.68	10.71	11.83	13.12	14.21	16.52
200	5.25	7.46	9.05	9.37	9.77	10.67	11.87	13.10	14.49	15.70	18.24
1000	6.27	9.08	10.99	11.31	11.74	12.92	14.54	16.02	17.62	19.09	22.14
10000	7.70	11.34	13.65	14.01	14.46	16.06	18.26	20.12	21.99	23.82	27.60
PMP	14.79	20.98	26.09	27.42	29.07	31.61	34.17	37.56	42.06	45.56	52.66
MEAN	2.673	2.697	3.217	3.368	3.545	3.706	4.013	4.482	5.046	5.467	6.445
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.679	1.355	.876	1.113	1.043	1.012	1.039	1.449	1.281	1.160	1.303
REGIONAL SKEW	1.300	1.300	1.400	1.300	1.200	1.300	1.300	1.300	1.400	1.400	1.300
SKEW USED	1.300	1.300	1.400	1.300	1.200	1.300	1.300	1.300	1.400	1.400	1.300
KURTOSIS	6.318	4.601	3.073	3.710	3.690	3.614	6.597	5.946	5.266	4.748	8.347
N	45	38	32	30	30	20	20	20	20	20	45
RECORD YEAR	1967	1967	1963	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.700	6.140	6.760	7.470	7.680	8.010	11.400	12.360	13.770	13.960	15.620
NORMALIZED MAX	2.664	2.710	2.243	2.328	2.260	2.302	3.372	3.289	3.103	3.083	3.509
CALC. COEF. VAR	.443	.476	.491	.523	.516	.505	.546	.534	.543	.504	.458
REGIONAL COEF. VAR	.429	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478
MEAN/A	.1393	.1012	.2161	.2263	.2302	.2496	.2697	.3011	.3390	.3673	.4330
RP10/A	.2155	.2904	.3531	.3705	.3914	.4163	.4498	.4986	.5607	.6074	.7607
RP25/A	.2594	.3569	.4341	.4534	.4768	.5125	.5596	.6190	.6918	.7494	.9735
RP50/A	.2912	.4088	.5033	.5138	.5304	.5823	.6403	.7075	.7876	.8532	.9931
RP100/A	.3222	.4530	.5513	.5722	.5982	.6583	.7196	.7945	.8814	.9548	1.1102
RP1000/A	.4215	.6098	.7381	.7801	.7886	.8683	.9767	1.0765	1.1838	1.2824	1.4877
RP10000/A	.5178	.7621	.9196	.9415	.9712	1.0789	1.2279	1.3519	1.4775	1.6006	1.8544
PMP/A	.9373	1.4096	1.7529	1.8420	1.9330	2.1238	2.2961	2.5234	2.9259	3.0613	3.5379

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.97	2.51	2.88	3.07	3.28	3.45	3.73	4.10	4.76	5.17	6.06
5	2.78	3.69	4.36	4.58	4.80	5.25	5.71	6.23	7.19	7.81	9.08
10	3.33	4.51	5.27	5.59	5.95	6.48	7.07	7.70	8.94	9.61	11.13
20	3.84	5.30	6.19	6.54	6.94	7.59	8.38	9.11	10.42	11.32	13.08
25	4.01	5.53	6.46	6.84	7.25	7.94	8.80	9.56	10.91	11.86	13.69
40	4.34	6.06	7.08	7.46	7.89	8.68	9.66	10.48	11.94	12.97	14.97
50	4.50	6.30	7.36	7.75	8.19	9.03	10.07	10.92	12.42	13.46	15.57
100	4.98	7.05	8.22	8.63	9.10	10.08	11.31	12.26	13.90	15.11	17.40
200	5.45	7.79	9.07	9.50	9.98	11.11	12.54	13.59	15.36	16.69	19.21
1000	6.51	9.47	11.61	11.77	11.90	13.46	15.35	16.62	18.67	20.69	23.32
10000	7.99	11.04	13.72	14.21	14.77	16.72	19.30	20.87	23.30	25.32	29.07
PMP	15.35	21.90	26.15	27.79	29.69	32.92	36.10	38.95	44.57	48.43	55.46
MEAN	2.151	2.619	3.224	3.414	3.621	3.959	4.239	4.608	5.348	5.811	6.768
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.001	1.000	1.000	1.000
CALCULATED SKEW	1.383	1.271	1.050	1.005	.918	.746	1.008	1.050	.879	.816	1.010
REGIONAL SKEW	1.300	1.300	1.400	1.300	1.200	1.300	1.300	1.300	1.400	1.400	1.300
SKEW USED	1.300	1.300	1.400	1.300	1.200	1.300	1.300	1.300	1.400	1.400	1.300
KURTOSIS	5.764	4.863	3.591	3.543	3.167	2.919	4.280	4.222	3.510	3.072	3.362
N	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1967	1967	1938	1967	1967	1967	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.250	7.100	7.330	8.080	8.080	8.580	11.460	12.080	13.480	15.480	24.050
NORMALIZED MAX	3.217	3.283	2.632	2.804	2.918	2.986	3.647	3.213	2.997	2.700	3.254
CALC. COEF. VAR	.448	.464	.484	.483	.470	.485	.468	.463	.474	.466	.473
REGIONAL COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478
MEAN/A	.1417	.1853	.2123	.2248	.2384	.2541	.2791	.3060	.3521	.3826	.4470
RP10/A	.2192	.2970	.3460	.3681	.3919	.4244	.4596	.5082	.5822	.6327	.7325
RP25/A	.2611	.3651	.4304	.4584	.4874	.5284	.5784	.6384	.7284	.7884	.9184
RP50/A	.2961	.4151	.4843	.5102	.5390	.5843	.6327	.7019	.8088	1.0250	1.0379
RP100/A	.3277	.4643	.5414	.5684	.5969	.6537	.7448	.8075	.9133	.9948	1.1459
RP1000/A	.4287	.6236	.7249	.7551	.7845	.8862	1.0109	1.0941	1.2293	1.3358	1.5355
RP10000/A	.5187	.7739	.9032	.9334	.9636	1.1019	1.2768	1.3544	1.5482	1.6160	1.8776
PMP/A	1.0107	1.4419	1.7210	1.8300	1.9052	2.1075	2.3767	2.5646	2.9347	3.1869	3.6510

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTN=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 709 7930 0	STATION NAME SANTA MARGARITA 25W	ELEV 260	SEC 1200	TMP 36	RNG LOT 295 12E	SWM M	LATITUDE 35.367	LONGITUDE 120.633	COUNTY CODE 40				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.93	4.77	5.52	6.03	6.30	6.59	7.19	7.84	9.07	9.95	11.91	16.79	29.22
5	5.56	7.02	8.25	8.99	9.40	10.03	11.00	11.92	13.70	15.04	17.85	25.16	41.08
10	6.65	8.57	10.10	10.97	11.42	12.32	13.63	14.73	16.85	18.49	21.88	30.95	48.85
20	7.48	10.06	11.86	12.83	13.32	14.49	16.16	17.43	19.85	21.78	25.72	36.50	56.13
25	8.00	10.34	12.41	13.42	13.92	15.16	16.96	18.29	20.79	22.82	26.92	38.26	58.40
40	8.67	11.52	13.56	14.63	15.14	16.37	18.62	20.66	22.75	24.97	29.43	41.92	63.09
50	8.99	11.86	13.90	14.97	15.48	16.71	18.96	21.00	23.17	25.46	30.01	43.64	65.28
100	9.94	13.40	15.43	16.50	17.01	18.24	21.48	23.47	25.69	28.07	33.22	48.92	71.97
200	10.88	14.80	17.38	18.64	19.17	21.22	24.18	26.00	28.26	32.12	37.77	54.13	78.51
1000	13.01	18.00	21.11	22.59	23.62	25.69	29.60	31.80	35.58	39.95	45.86	66.05	93.26
10000	15.91	22.50	26.29	28.67	29.35	31.92	37.21	39.53	44.40	48.74	57.18	82.78	115.48
PMP	30.67	41.61	50.12	54.52	57.00	62.84	69.58	74.54	84.93	93.22	109.45	153.94	223.44
MEAN	4.298	5.348	6.180	6.698	6.951	7.367	8.172	8.895	10.190	11.184	13.348	18.947	31.716
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.868	.861	.856	.850	.842	.831	.819	.809	.794	.779	.760	.756	.682
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.300	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.300	1.200
KURTOSIS	3.500	4.495	2.555	2.810	3.210	3.080	4.526	4.121	3.449	3.625	3.022	3.401	2.886
N	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	7.220	11.320	11.590	13.250	14.800	14.870	17.960	18.950	20.740	23.120	25.630	38.600	55.530
NORMALIZED MAX	1.982	2.769	2.082	2.367	2.658	2.546	2.989	2.853	2.691	2.637	2.349	2.715	2.101
CALC. COEF. VAR	.409	.452	.474	.476	.476	.480	.502	.501	.492	.489	.489	.478	.403
REGION. COEF. VAR	.409	.452	.474	.476	.476	.480	.502	.501	.492	.489	.489	.478	.403
USED COEF. VAR	.409	.452	.474	.476	.476	.480	.502	.501	.492	.489	.489	.478	.403
MEAN/A	.1355	.1686	.1949	.2112	.2192	.2323	.2577	.2804	.3213	.3526	.4209	.5974	1.0000
RP10/A	.2097	.2703	.3183	.3458	.3682	.3884	.4298	.4644	.5313	.5898	.6898	.9757	1.5402
RP25/A	.2524	.3322	.3714	.4231	.4388	.4761	.5347	.5795	.6556	.7195	.8385	1.2083	1.8413
RP50/A	.2821	.3777	.4447	.4792	.4935	.5432	.6118	.6597	.7443	.8192	.9651	1.3758	2.0584
RP100/A	.3133	.4225	.4970	.5339	.5505	.6067	.6876	.7400	.8352	.9167	1.0790	1.5424	2.2692
RP1000/A	.4102	.5676	.6654	.7093	.7257	.8101	.9332	1.0026	1.1217	1.2312	1.4458	2.0825	2.9404
RP10000/A	.5035	.7093	.8291	.8786	.8938	1.0055	1.1732	1.2591	1.4001	1.5367	1.8022	2.6101	3.5842
PMP/A	.9669	1.3120	1.5803	1.7189	1.7972	1.9814	2.1939	2.3502	2.6779	2.9361	3.4584	4.8530	7.0550

PRECIPITATION DEPTN=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 709 7931 1	STATION NAME SANTA MARGARITA 6 P	ELEV 261	SEC 995	TEMP 20	RNG LOT 29K 13E	SWM M	LATITUDE 35.400	LONGITUDE 120.600	COUNTY CODE 40				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.52	4.47	4.99	5.38	5.68	5.81	6.09	6.84	7.80	8.39	9.65	13.23	22.13
5	4.99	6.58	7.46	8.03	8.48	8.84	9.32	10.39	11.78	12.69	14.49	19.82	31.11
10	5.97	8.04	9.13	9.79	10.30	10.86	11.54	12.84	14.49	15.60	17.73	24.38	36.99
20	6.69	9.43	10.73	11.46	12.02	12.77	13.69	15.20	17.08	18.37	20.84	28.76	42.51
25	7.18	9.88	11.23	11.99	12.55	13.37	14.36	15.94	17.68	19.25	21.62	30.16	44.23
40	7.78	10.80	12.27	13.07	13.66	14.61	15.77	17.49	19.56	21.08	23.85	33.02	47.78
50	8.06	11.23	12.76	13.58	14.18	15.19	16.43	18.22	20.35	21.91	24.81	34.38	49.44
100	8.92	12.56	14.26	15.13	15.78	16.97	18.47	20.46	22.78	24.52	27.73	38.94	54.50
200	9.76	13.87	15.74	16.65	17.29	18.71	20.48	22.67	25.16	27.09	30.61	42.65	59.45
1000	11.67	16.87	19.69	20.69	20.76	22.66	25.07	27.72	30.59	32.94	37.18	52.04	70.63
10000	14.33	21.09	23.79	24.89	25.57	26.15	31.51	34.81	38.18	41.11	46.42	62.62	86.09
PMP	27.51	39.01	45.35	48.69	51.42	55.42	58.93	64.98	73.02	78.63	88.38	121.28	169.21
MEAN	3.856	5.014	5.591	5.982	6.270	6.497	6.921	7.754	8.761	9.433	10.819	14.927	24.019
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.397	1.248	1.245	1.510	1.102	1.067	.957	.703	.490	.502	.497	.784	.843
REGIONAL SKEW	2.305	1.500	1.500	1.500	1.500	1.500	1.400	1.400	1.400	1.400	1.400	1.000	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.300	1.200
KURTOSIS	5.549	4.897	5.303	6.777	5.402	4.647	3.896	3.118	2.537	2.405	3.409	3.026	3.940
N	48	48	48	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1901	1901	1901	1901	1901	1901	1901	1901	1914	1901	1916	1911	1916
RECORD MAXIMUM	84.30	11.930	14.480	17.680	17.660	17.660	17.660	18.120	18.280	25.060	33.640	53.760	
NORMALIZED MAX	2.679	2.920	3.076	3.769	3.590	3.597	3.240	2.640	2.180	1.980	2.665	2.742	2.964
CALC. COEF. VAR	.443	.472	.484	.515	.506	.509	.484	.464	.472	.474	.490	.457	.418
REGION. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	.1605	.2087	.2320	.2491	.2611	.2705	.2881	.3228	.3647	.3927	.4504	.6215	1.0000
RP10/A	.2484	.3345	.3903	.4078	.4270	.4463	.4866	.5346	.6032	.6494	.7361	.9481	1.5402
RP25/A	.2869	.4112	.4676	.4990	.5190	.5397	.5979	.6637	.7432	.8014	.9084	1.2550	1.8413
RP50/A	.3356	.4674	.5313	.5652	.5902	.6126	.6842	.7585	.8473	.9123	1.0320	1.4313	2.0884
RP100/A	.3713	.5230	.5937	.6297	.6557	.6765	.7689	.8618	.9482	1.0210	1.1345	1.6046	2.2692
RP1000/A	.4859	.7025	.7950	.8365	.8644	.8934	1.0436	1.1245	1.2735	1.3712	1.5472	2.1864	2.9404
RP10000/A	.5964	.8786	.9905	1.0632	1.0846	1.1172	1.3120	1.4494	1.5895	1.7115	1.9266	2.7153	3.5842
PMP/A	1.1453	1.6240	1.8879	2.0273	2.1407	2.3074	2.4535	2.7053	3.0402	3.2735	3.6796	5.0495	7.0550

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
709 7933 0	SANTA MARGARITA BSTR	1100	25	29S	12E	M	35.367	120.633	40	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	3.98	4.81	5.50	5.96	6.27	6.40	7.22	7.91	9.95	9.66
5	5.52	7.08	8.21	8.90	9.34	10.04	11.05	12.01	13.53	14.59
10	6.60	8.64	10.05	10.85	11.36	12.34	13.69	14.95	16.63	17.95
20	7.62	10.15	11.81	12.70	13.25	14.51	16.23	17.37	19.59	21.14
25	7.94	10.63	12.43	13.48	13.86	15.49	17.05	18.20	20.52	22.14
40	8.60	11.62	13.51	14.48	15.06	16.40	18.71	20.23	22.46	24.23
50	8.91	12.08	14.04	15.04	15.63	17.25	19.49	21.07	23.36	25.21
100	9.86	13.51	15.49	16.76	17.36	19.27	21.91	23.66	26.15	28.21
200	11.79	14.93	17.28	18.85	19.48	22.24	25.48	26.88	30.17	32.45
1000	12.90	18.15	21.01	22.26	22.89	25.73	29.74	32.06	37.49	43.22
10000	15.84	22.69	26.18	27.58	28.19	31.97	37.38	40.26	43.93	47.29
PMP	30.41	41.97	49.90	53.95	56.69	62.94	69.91	75.15	83.83	90.45
MEAN	4.262	5.394	6.153	6.628	6.913	7.378	8.210	8.967	10.058	10.852
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	+0.20	+0.17	+0.15	+0.14	+0.13	+0.12	+0.11	+0.10	+0.09	+0.08
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.500
KURTOSIS	4.362	3.625	3.533	3.625	4.240	5.723	9.229	8.141	6.924	7.108
RECORD YEAR	33	33	33	33	33	33	33	33	33	33
RECORD MAXIMUM	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
NORMALIZED MAX	2.261	2.315	2.331	2.437	2.859	3.074	3.870	3.724	3.558	3.440
CALC. COEF. VAR	.377	.405	.437	.441	.446	.452	.492	.462	.447	.443
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489
MEAN/A	1.1475	1.1867	1.2130	1.2294	1.2393	1.2553	1.2841	1.3103	1.3481	1.3766
RP10/A	1.2473	1.2992	1.3479	1.3756	1.3932	1.4270	1.4733	1.5139	1.5754	1.6211
RP25/A	1.2747	1.3677	1.4537	1.4596	1.4790	1.5256	1.5896	1.6380	1.7162	1.7663
RP50/A	1.3084	1.4181	1.4861	1.5205	1.5409	1.5972	1.6746	1.7292	1.8048	1.8725
RP100/A	1.3412	1.4877	1.5432	1.5800	1.6007	1.6669	1.7582	1.8188	1.9049	1.9764
RP1000/A	1.4464	1.6263	1.7272	1.7705	1.7922	1.8964	1.0291	1.1049	1.2133	1.2456
RP10000/A	1.5480	1.7852	1.9061	1.9544	1.9757	1.1095	1.2938	1.3933	1.5108	1.6367
PMP/A	1.0524	1.4524	1.7271	1.8672	1.9619	2.1781	2.4194	2.6006	2.9012	3.1305

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
709 8849 0	TEMPLETON	270	773	29	27S	12E	M	35.548	120.706	40
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.98	3.57	4.01	4.17	4.71	4.92	5.36	5.91	6.98	7.63
5	4.21	5.26	5.99	6.23	7.03	7.48	8.20	8.97	10.55	11.53
10	5.04	6.43	7.33	7.59	8.55	9.19	10.16	11.09	12.97	14.10
20	5.82	7.54	8.81	8.99	9.97	10.81	12.05	13.12	15.28	16.70
25	6.06	7.90	9.01	9.29	10.41	11.31	12.64	13.76	16.00	17.50
40	6.57	8.63	9.85	10.13	11.33	12.36	13.88	15.10	17.51	19.15
50	6.81	8.98	10.24	10.53	11.78	12.85	14.47	15.73	18.22	19.92
100	7.53	10.04	11.44	11.73	13.06	14.35	16.27	17.67	20.39	22.29
200	8.24	11.09	12.63	12.91	14.34	15.63	18.03	19.58	22.53	24.63
1000	9.86	13.49	15.32	15.59	17.22	19.17	22.07	23.94	27.38	29.94
10000	12.10	16.88	19.09	19.30	21.21	23.81	27.74	30.06	34.19	37.37
PMP	23.23	31.19	36.38	37.75	42.64	48.98	51.88	56.11	65.37	71.48
MEAN	3.256	4.009	4.486	4.638	5.201	5.496	6.092	6.696	7.843	8.576
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.014	.740	.775	.672	.693	.697	.452	.670	-0.047	-0.141
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.500
KURTOSIS	4.076	4.262	3.910	3.783	3.006	2.895	3.533	3.913	2.907	2.651
RECORD YEAR	21	21	21	21	21	21	21	21	21	21
RECORD MAXIMUM	6,000	7,260	8,260	8,460	8,460	8,900	11,400	13,260	14,290	14,540
NORMALIZED MAX	1.982	2.254	2.147	2.220	1.857	1.858	2.324	2.482	2.111	1.905
CALC. COEF. VAR	.425	.360	.372	.371	.338	.342	.375	.389	.392	.375
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489
MEAN/A	1.1622	1.1997	1.2235	1.2311	1.2591	1.2738	1.3035	1.3336	1.3907	1.4272
RP10/A	1.2510	1.3201	1.3555	1.3783	1.4259	1.4578	1.5062	1.5524	1.6461	1.7064
RP25/A	1.3021	1.3935	1.4489	1.4629	1.5107	1.5635	1.6298	1.6887	1.7972	1.8717
RP50/A	1.3381	1.4474	1.5101	1.5243	1.5733	1.6303	1.7077	1.7673	1.9024	1.9752
RP100/A	1.3752	1.5004	1.5704	1.5842	1.6307	1.7151	1.8099	1.8801	2.0558	2.1366
RP1000/A	1.4910	1.6722	1.7632	1.7761	1.8578	1.9549	1.0993	1.1924	1.3642	1.4916
RP10000/A	1.6027	1.8401	1.9509	1.9613	1.0565	1.1863	1.3820	1.4975	1.7027	1.8514
PMP/A	1.1573	1.8539	1.8125	1.8808	2.1244	2.3354	2.5843	2.7952	3.2567	3.5608

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T10 7024 0	STATION NAME POINT PIEDRAS BLANCAS		ELEV 59	SEC	TWP	RNG LOT	BWM	LATITUDE 35.667	LONGITUDE 121.263	COUNTY CODE 40			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.55	3.05	3.51	3.93	4.26	4.37	4.84	5.09	5.98	6.53	7.96	10.98	19.41
5	3.61	4.48	5.24	5.72	6.39	6.65	7.41	7.73	9.03	9.68	11.92	16.34	27.28
10	4.32	5.48	6.41	6.98	7.72	8.17	9.18	9.55	11.11	12.14	14.61	20.10	32.44
20	4.98	6.43	7.53	8.16	9.00	9.60	10.88	11.30	13.09	14.30	17.18	23.71	37.27
25	5.19	6.73	7.88	8.54	9.41	10.05	11.42	11.86	13.71	14.98	17.98	24.85	38.78
40	5.63	7.36	8.61	9.31	10.23	10.98	12.54	13.01	15.00	16.40	19.66	27.23	41.90
50	5.83	7.66	8.96	9.67	10.62	11.42	13.07	13.55	15.61	17.06	20.45	28.34	43.36
100	6.43	8.56	10.01	10.77	11.80	12.76	14.68	15.22	17.46	19.09	22.86	31.77	47.80
200	7.06	9.46	11.05	11.86	13.05	14.06	16.28	16.86	19.25	21.09	25.23	35.16	52.14
1000	8.44	11.50	13.40	14.35	15.58	17.03	19.93	20.62	23.45	25.84	30.63	42.89	61.93
10000	10.36	14.37	16.70	17.73	19.16	21.16	25.06	25.89	29.27	32.00	38.18	53.77	75.49
PMP	19.90	26.59	31.83	34.68	38.52	41.65	46.86	48.33	55.99	61.21	72.84	99.99	148.39

MEAN	2.789	3.418	3.925	4.261	4.698	4.883	5.503	5.767	6.718	7.344	8.916	12.306	21.063
CLOCK MR. COR.	1.150	1.970	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.753	3.765	3.900	4.217	4.598	4.800	5.420	5.680	6.640	7.260	8.830	12.220	21.000
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.400	1.500	1.200

KURTOSIS	7.877	7.296	6.301	5.601	4.222	4.333	8.930	8.960	7.996	6.320	4.492	7.293	4.637
N	22	22	22	22	22	22	22	22	22	22	22	22	21
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.740	9.300	10.900	10.950	10.470	10.470	14.370	17.040	18.450	20.110	30.450	45.720	72.000
NORMALIZED MAX	2.953	2.649	2.891	2.875	2.666	2.691	3.444	3.402	3.335	3.110	2.760	3.214	2.733
CALC. COEF. VAR	.390	.444	.474	.473	.427	.425	.466	.468	.501	.482	.455	.458	.428
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	1.324	1.623	1.863	2.023	2.230	2.318	2.613	2.738	3.389	3.677	4.233	5.843	1.0000
RP10/A	2.049	2.866	3.438	3.871	4.386	4.574	5.274	5.569	6.640	7.260	8.830	12.220	1.5400
RP25/A	2.646	3.519	4.392	4.853	5.465	5.772	6.620	6.929	8.260	9.080	10.910	14.340	1.8413
RP50/A	2.760	3.635	4.293	4.591	5.042	5.422	6.203	6.434	7.409	8.099	9.707	13.456	2.0584
RP100/A	3.063	4.065	4.732	5.115	5.602	6.056	6.972	7.225	8.291	8.964	10.852	15.085	2.2692
RP1000/A	5.846	8.111	9.363	9.798	10.850	11.785	14.066	14.643	17.040	18.450	20.110	30.450	2.9409
RP10000/A	8.492	11.625	13.728	14.816	16.096	17.006	20.470	21.293	23.899	25.194	27.927	38.181	3.5942
PMP/A	19.447	26.264	31.511	34.686	38.529	41.659	46.866	48.333	55.999	61.212	72.844	99.999	148.390

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T11 8259 4	STATION NAME SIMMLER MAINT STA		ELEV 491	SEC 2020	TWP 01	RNG LOT 305 18E	BWM M	LATITUDE 35.367	LONGITUDE 120.000	COUNTY CODE 40			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.27	1.46	1.62	1.69	1.78	1.89	1.97	2.15	2.40	2.62	3.03	4.15	7.41
5	1.80	2.15	2.43	2.53	2.66	2.80	3.02	3.27	3.63	3.96	4.54	6.21	10.42
10	2.16	2.63	2.97	3.08	3.23	3.39	3.74	4.04	4.46	4.88	5.57	7.64	12.39
20	2.49	3.09	3.49	3.61	3.77	3.94	4.16	4.44	4.99	5.25	5.74	6.55	9.01
25	2.60	3.23	3.65	3.77	3.94	4.36	4.66	5.02	5.50	6.02	6.85	9.45	14.81
40	2.81	3.54	3.99	4.11	4.28	4.76	5.11	5.51	6.02	6.58	7.49	10.35	16.00
50	2.91	3.68	4.15	4.27	4.44	4.93	5.33	5.74	6.26	6.85	7.79	10.78	16.56
100	3.22	4.11	4.64	4.76	4.94	5.53	5.99	6.44	7.01	7.66	8.71	12.08	18.25
200	3.53	4.54	5.12	5.24	5.42	6.10	6.64	7.14	7.74	8.47	9.61	13.37	19.91
1000	4.22	5.53	6.21	6.32	6.51	7.38	8.13	8.73	9.42	10.25	11.67	16.31	23.65
10000	5.18	6.91	7.74	7.83	8.02	9.17	10.21	10.97	11.75	12.68	14.55	20.44	29.63
PMP	9.94	12.77	14.75	15.32	16.12	18.06	19.10	20.47	22.48	24.57	27.76	38.01	56.67

MEAN	1.394	1.642	1.839	1.882	1.966	2.117	2.243	2.443	2.697	2.948	3.397	4.679	8.044
CLOCK MR. COR.	1.140	1.870	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.757	3.760	3.890	4.207	4.588	4.790	5.410	5.670	6.630	7.250	8.820	12.210	21.000
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.300	1.400	1.400	1.400	1.500	1.200

KURTOSIS	3.919	5.374	5.424	4.591	4.343	5.462	5.864	5.590	5.051	6.293	6.649	8.102	5.207
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1969	1969	1967	1967	1962	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.450	3.360	3.870	3.870	4.390	5.340	6.060	6.300	6.640	8.310	9.490	13.410	18.020
NORMALIZED MAX	1.910	2.366	2.336	2.254	2.456	2.869	3.041	2.965	2.732	3.120	3.125	3.372	2.793
CALC. COEF. VAR	.397	.463	.466	.466	.466	.550	.550	.550	.550	.550	.550	.550	.550
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403

MEAN/A	1.733	2.041	2.261	2.340	2.444	2.632	2.789	3.037	3.352	3.665	4.224	5.817	1.0000
RP10/A	2.681	3.372	3.694	3.832	4.016	4.401	4.652	5.028	5.544	6.061	6.922	9.950	1.5402
RP25/A	3.227	4.021	4.541	4.680	4.893	5.418	5.787	6.242	6.841	7.474	8.519	11.746	1.8413
RP50/A	3.622	4.573	5.163	5.310	5.624	6.356	6.822	7.355	7.768	8.519	9.688	13.396	2.0584
RP100/A	4.008	5.114	5.767	5.917	6.138	6.875	7.442	8.012	8.715	9.529	10.818	15.016	2.2692
RP1000/A	5.244	6.870	7.721	7.860	8.092	9.180	10.101	10.855	11.703	12.798	14.511	20.276	2.9404
RP10000/A	6.438	8.596	9.620	9.736	9.966	11.405	12.699	13.633	14.609	15.973	18.807	25.413	3.5842
PMP/A	1.2362	1.5682	1.8337	1.9048	2.0039	2.2452	2.3748	2.5446	2.7943	3.0551	3.4508	4.7260	7.0450

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 711 9813 10	STATION NAME WREON RANCH SLO 121	ELEV 522	SEC 2080	TWP 11	RND LOT 295 17E	8MM M	LATITUDE 35.417	LONGITUDE 120.100	COUNTY CODE 40				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.23	1.47	1.65	1.83	1.91	2.02	2.17	2.40	2.70	2.96	3.40	4.62	8.36
5	1.74	2.18	2.46	2.73	2.95	3.07	3.32	3.65	4.07	4.47	5.09	6.92	11.75
10	2.08	2.64	3.01	3.33	3.67	3.76	4.11	4.51	5.01	5.50	6.24	8.51	13.97
20	2.40	3.10	3.53	3.90	4.04	4.44	4.87	5.33	5.90	6.47	7.33	10.04	16.05
25	2.50	3.24	3.70	4.07	4.22	4.65	5.11	5.59	6.18	6.78	7.68	10.53	16.70
40	2.71	3.54	4.04	4.41	4.60	5.08	5.62	6.14	6.77	7.42	8.39	11.53	18.04
50	2.81	3.69	4.20	4.62	4.77	5.28	5.85	6.39	7.04	7.72	8.73	12.00	18.67
100	3.11	4.12	4.70	5.14	5.30	5.90	6.58	7.18	7.88	8.64	9.76	13.46	20.58
200	3.40	4.55	5.19	5.66	5.82	6.50	7.29	7.96	8.70	9.55	10.77	14.49	22.45
1000	4.07	5.54	6.29	6.83	6.99	7.88	8.93	9.73	10.58	11.61	13.07	18.17	26.67
10000	5.00	6.92	7.84	8.46	8.60	9.79	11.22	12.22	13.20	14.46	16.29	22.77	32.51
PMP	9.59	12.80	14.94	16.55	17.30	19.27	21.98	22.81	25.26	27.70	31.09	42.35	63.90
MEAN	1.345	1.646	1.842	2.034	2.110	2.259	2.464	2.721	3.050	3.324	3.805	5.212	9.070
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.433	1.146	1.098	1.066	1.058	1.071	1.080	1.080	1.080	1.081	1.081	1.081	1.081
REGIONAL SKEW	1.306	1.500	1.400	1.300	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.400	1.500	1.600	1.700	1.800	1.900	2.000
KURTOSIS	5.827	4.444	7.055	5.674	4.969	4.827	8.850	7.965	6.747	7.164	6.782	9.630	5.085
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.610	3.170	4.590	4.950	5.080	5.420	7.720	8.060	8.510	9.080	10.430	16.150	19.850
NORMALIZED MAX	2.176	2.212	1.400	2.758	2.638	2.372	3.350	3.349	3.160	3.015	3.160	3.615	2.669
CALC. COEF. VAR	.433	.419	.508	.520	.534	.524	.637	.599	.583	.605	.577	.615	.445
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	1.4083	1.615	2.031	2.242	2.240	2.240	2.717	3.000	3.341	3.665	4.195	5.747	1.0000
RP10/A	2.294	2.998	3.318	3.671	3.671	4.184	4.532	4.678	5.050	5.050	5.876	8.986	1.5402
RP25/A	2.574	3.374	4.080	4.683	4.683	5.126	5.478	5.613	6.010	6.010	6.862	11.005	1.8613
RP50/A	3.099	4.064	4.636	5.088	5.259	5.823	6.451	7.050	7.760	8.513	9.621	13.235	2.0584
RP100/A	3.830	4.546	5.181	5.669	5.843	6.504	7.250	7.917	8.685	9.527	1.0756	1.4838	2.2692
RP1000/A	4.487	6.107	6.37	7.531	7.703	8.895	9.81	1.0726	1.1864	1.2765	1.4413	2.0033	2.7400
RP10000/A	5.509	7.632	8.642	9.832	9.947	1.0790	1.2372	1.371	1.4586	1.5970	1.7068	2.5108	3.5842
PMP/A	1.0578	1.4117	1.6473	1.8252	1.9076	2.1241	2.3135	2.5144	2.7845	3.0545	3.4277	4.6693	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 712 239 0	STATION NAME APACHE CAMP	ELEV 4965	SEC 16 09N	TWP 23W	RND LOT 5	8MM 5	LATITUDE 34.867	LONGITUDE 119.333	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.20	1.48	1.70	1.80	1.89	1.98	2.07	2.22	2.54	2.83	3.30	4.68	9.13
5	1.70	2.18	2.53	2.68	2.81	3.02	3.16	3.37	3.84	4.28	4.94	7.01	12.63
10	2.03	2.66	3.10	3.27	3.42	3.71	3.92	4.17	4.73	5.26	6.06	8.62	15.26
20	2.34	3.12	3.64	3.83	3.99	4.36	4.64	4.93	5.57	6.20	7.12	10.17	17.53
25	2.44	3.27	3.81	4.01	4.17	4.56	4.87	5.18	5.83	6.49	7.46	10.66	18.24
40	2.64	3.57	4.17	4.37	4.53	4.99	5.35	5.68	6.38	7.10	8.15	11.68	19.71
50	2.74	3.72	4.33	4.54	4.71	5.19	5.57	5.92	6.64	7.39	8.48	12.16	20.39
100	3.03	4.16	4.84	5.08	5.23	5.79	6.27	6.64	7.43	8.27	9.48	13.63	22.48
200	3.32	4.59	5.35	5.56	5.74	6.39	6.95	7.38	8.21	9.13	10.46	15.08	24.52
1000	3.97	5.58	6.49	6.72	6.89	7.73	8.50	9.00	9.98	11.11	12.70	18.40	29.13
10000	4.87	6.98	8.08	8.32	8.49	9.01	10.59	11.30	12.45	13.86	15.83	23.06	35.51
PMP	9.35	12.91	15.40	16.28	17.07	18.91	19.99	21.10	23.62	26.51	30.21	42.89	69.79
MEAN	1.311	1.659	1.899	2.000	2.082	2.217	2.348	2.510	2.858	3.161	3.698	5.278	9.906
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.756	1.653	1.265	1.060	1.090	1.017	1.006	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.435	7.043	10.936	8.350	8.284	7.041	6.418	6.941	6.853	7.174	5.723	3.434	3.337
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1968	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962
RECORD MAXIMUM	2.200	3.900	5.330	5.430	5.780	5.880	6.230	7.030	7.830	8.630	9.020	11.120	19.830
NORMALIZED MAX	1.704	3.080	3.722	3.522	3.569	3.332	3.267	3.395	3.369	3.451	3.192	2.523	2.477
CALC. COEF. VAR	.398	.439	.485	.467	.460	.509	.503	.528	.516	.496	.451	.439	.404
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	1.323	1.675	1.917	2.018	2.101	2.238	2.370	2.541	2.885	3.211	3.733	5.328	1.0000
RP10/A	2.048	2.684	3.132	3.305	3.453	3.743	3.953	4.209	4.771	5.309	6.117	8.703	1.5402
RP25/A	2.464	3.299	3.851	4.044	4.207	4.607	4.918	5.225	5.887	6.551	7.529	1.0759	1.6413
RP50/A	2.766	3.751	4.376	4.581	4.750	5.254	5.628	5.972	6.702	7.459	8.550	1.2271	2.0584
RP100/A	3.061	4.195	4.890	5.104	5.278	5.846	6.325	6.706	7.500	8.367	9.569	1.3757	2.2692
RP1000/A	4.004	5.636	6.547	6.780	6.958	7.806	8.585	9.085	1.0073	1.1210	1.2823	1.8574	2.9404
RP10000/A	4.916	7.043	8.157	8.398	8.569	9.698	1.0792	1.1410	1.2572	1.3992	1.5984	2.3279	3.5842
PMP/A	9.440	1.3028	1.5549	1.6430	1.7231	1.9091	2.0182	2.1297	2.4046	2.6762	3.0495	4.3292	7.0450

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T12 719 0	STATION NAME BETTERAVIA SLO 387	ELEV 364	SEC 155	TWP 10N	RNG LOT 35W	BMW 5	LATITUDE 34.917	LONGITUDE 120.517	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.79	2.13	2.34	2.54	2.76	2.84	3.06	3.34	3.98	4.38	5.05	7.03	12.38
5	2.54	3.13	3.49	3.78	4.12	4.33	4.68	5.07	6.01	6.62	7.56	10.54	17.40
10	3.04	3.83	4.27	4.61	5.01	5.32	5.80	6.27	7.39	8.14	9.27	12.97	20.70
20	3.51	4.49	5.02	5.40	5.84	6.25	6.88	7.41	8.71	9.58	10.90	15.29	23.78
25	3.65	4.70	5.28	5.65	6.10	6.55	7.22	7.78	9.12	10.04	11.41	16.03	24.74
40	3.96	5.14	5.74	6.10	6.64	7.15	7.92	8.53	9.98	10.99	12.47	17.56	26.73
50	4.15	5.35	5.97	6.40	6.89	7.44	8.26	8.89	10.39	11.43	12.97	18.28	27.66
100	4.54	5.98	6.67	7.13	7.66	8.31	9.28	9.98	11.62	12.79	14.50	20.49	30.49
200	4.97	6.61	7.36	7.84	8.40	9.16	10.29	11.04	12.84	14.13	16.01	22.68	33.26
1000	5.94	8.04	8.94	9.47	10.09	11.09	12.60	13.52	15.60	17.18	19.43	27.67	39.51
10000	7.29	10.04	11.13	11.72	12.43	13.78	15.84	16.99	19.48	21.44	24.23	34.68	48.16
PMP	14.00	18.58	21.22	22.94	25.00	27.13	29.61	31.70	37.25	41.01	46.22	64.50	94.67
MEAN	1.962	2.398	2.616	2.818	3.048	3.180	3.478	3.783	4.469	4.920	5.657	7.938	13.438
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.191	1.105	1.139	1.163	1.177	1.197	1.229	1.215	1.419	1.463	1.605	1.276	1.108
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
KURTOSIS	5.437	4.994	5.092	5.419	4.859	6.869	7.087	6.268	5.112	8.084	7.277	4.403	4.685
N	70	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1909	1909	1918	1914	1918	1909	1909	1909	1909	1909	1909	1909	1941
RECORD MAXIMUM	4.000	5.300	6.280	6.500	7.390	9.120	10.520	10.520	11.330	15.740	17.370	20.000	29.160
NORMALIZED MAX	3.144	3.225	3.254	3.130	3.303	4.016	4.267	3.822	3.375	4.620	4.199	3.339	3.379
CALC. COEF. VAR	.330	.378	.430	.417	.431	.465	.475	.466	.442	.476	.493	.455	.346
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.478	.475	.403
MEAN/A	1.1460	1.1777	1.1947	1.2097	1.2268	1.2367	1.2588	1.2815	1.3326	1.3662	1.4210	1.5907	1.0000
RP10/A	.2260	.2848	.3181	.3434	.3728	.3958	.4317	.4662	.5500	.6055	.6900	.9648	1.5402
RP25/A	.2719	.3500	.3944	.4280	.4542	.4872	.5371	.5788	.6786	.7471	.8491	1.1928	1.8413
RP50/A	.3052	.3980	.4444	.4759	.5128	.5535	.6145	.6615	.7726	.8508	.9654	1.3604	2.0584
RP100/A	.3377	.4451	.4966	.5303	.5698	.6182	.6906	.7429	.8646	.9519	1.0793	1.5252	2.2692
RP1000/A	.4419	.5980	.6850	.7044	.7511	.8254	.9374	1.0065	1.1612	1.2784	1.4483	2.0592	2.9404
RP10000/A	.5425	.7473	.8285	.8725	.9251	1.0255	1.1785	1.2840	1.4494	1.5956	1.8028	2.5809	3.5842
PMP/A	1.0417	1.3824	1.5791	1.7071	1.8602	2.0188	2.2038	2.3593	2.7722	3.0519	3.4395	4.7996	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T12 1586 20	STATION NAME CAT CANYON FD-UNION		ELEV 1120	SEC 05	TWP 08N	RNG LOT 32W	BMW R 5	LATITUDE 34.796	LONGITUDE 120.263	COUNTY CODE 42
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	W YR						
2	1.99	2.44	2.76	14.00						
5	2.61	3.59	4.12	19.73						
10	3.36	4.38	5.04	23.55						
20	3.88	5.15	5.92	27.16						
25	4.04	5.39	6.20	28.29						
40	4.38	5.89	6.77	30.63						
50	4.54	6.13	7.04	31.73						
100	5.02	6.85	7.87	35.08						
200	5.50	7.57	8.69	38.38						
1000	6.57	9.21	10.54	45.84						
10000	8.07	11.51	13.13	56.22						
PMP	15.50	21.28	25.03	107.74						
MEAN	2.172	2.736	3.086	15.294						
CLOCK HR. COR.	1.140	1.070	1.040	1.000						
CALCULATED SKEW	.4851	.544	.645	1.080						
REGIONAL SKEW	1.300	1.500	1.400	1.300						
SKEW USED	1.300	1.500	1.400	1.300						
KURTOSIS	3.490	2.284	2.808	4.045						
N	21	21	21	21						
RECORD YEAR	1956	1962	1962	1969						
RECORD MAXIMUM	3.230	4.320	5.350	28.650						
NORMALIZED MAX	1.697	1.463	1.930	2.357						
CALC. COEF. VAR	.287	.396	.420	.376						
REGN. COEF. VAR	.409	.452	.474	.403						
USED COEF. VAR	.409	.452	.474	.403						
MEAN/A	1.1420	1.1789	1.2018	1.0000						
RP10/A	.2198	.2867	.3297	1.5398						
RP25/A	.2645	.3524	.4053	1.8496						
RP50/A	.2969	.4007	.4606	2.0746						
RP100/A	.3288	.4481	.5147	2.2940						
RP1000/A	.4209	.5920	.6892	2.9971						
RP10000/A	.5277	.7523	.8588	3.6758						
PMP/A	1.0133	1.3910	1.8366	7.0450						

PEARSON TYPE III DISTRIBUTION USED
PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T12 2236 0	STATION NAME CUTAMA	ELEV 2240	SEC 25	TWP 10N	RNG LOT 26W	BWM S	LATITUDE 36.933	LONGITUDE 119.617	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.05	1.31	1.42	1.58	1.59	1.59	1.63	1.70	1.87	2.02	2.31	3.06	5.41
5	1.49	1.93	2.12	2.24	2.38	2.42	2.49	2.59	2.83	3.06	3.49	4.58	7.61
10	1.78	2.36	2.60	2.73	2.89	2.97	3.09	3.20	3.48	3.76	4.29	5.63	9.04
20	2.05	2.77	3.05	3.20	3.37	3.49	3.66	3.79	4.10	4.43	5.05	6.65	10.39
25	2.14	2.90	3.19	3.34	3.52	3.66	3.82	3.94	4.30	4.64	5.29	6.97	10.81
40	2.32	3.18	3.49	3.65	3.83	4.00	4.22	4.36	4.70	5.07	5.79	7.63	11.68
50	2.40	3.30	3.63	3.79	3.97	4.15	4.40	4.54	4.89	5.28	6.02	7.95	12.09
100	2.68	3.69	4.06	4.22	4.41	4.64	4.94	5.10	5.48	5.91	6.74	8.91	13.33
200	2.91	4.08	4.48	4.64	4.85	5.12	5.48	5.65	6.05	6.53	7.44	9.66	14.34
1000	3.48	4.96	5.43	5.61	5.82	6.20	6.71	6.91	7.36	7.93	9.05	12.03	17.27
10000	4.27	6.20	6.77	6.94	7.17	7.70	8.44	8.67	9.18	9.90	11.29	15.07	21.05
PMP	8.20	11.47	12.90	13.59	14.41	15.15	15.77	16.19	17.56	18.94	21.58	28.03	41.37
MEAN	1.149	1.474	1.591	1.669	1.757	1.777	1.852	1.932	2.107	2.272	2.599	3.450	5.673
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.328	1.442	1.440	1.440	1.440	1.440	1.440	1.440	1.440	1.440	1.440	1.440	1.440
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	4.498	7.463	9.349	9.341	10.914	11.184	11.097	11.370	11.948	10.128	10.623	7.485	5.931
RECORD YEAR	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD MAXIMUM	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1969
NORMALIZED MAX	2.420	4.210	4.800	4.960	5.450	5.470	5.70	5.57	6.450	6.550	7.010	8.000	12.980
CALC. COEF. VAR	1.068	2.831	3.177	3.269	3.466	3.533	3.557	3.608	3.811	3.817	3.474	2.817	2.568
REDN. COEF. VAR	.563	.655	.635	.603	.606	.596	.553	.529	.572	.547	.489	.468	.421
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1957	.2511	.2709	.2842	.2993	.3025	.3155	.3290	.3588	.3870	.4426	.5875	1.0000
RP1/A	.3028	.4024	.4425	.4634	.4918	.5059	.5322	.5648	.5933	.6200	.6707	.8500	1.5000
RP25/A	.3844	.5095	.5440	.5695	.5991	.6227	.6546	.6763	.7321	.7896	.9012	1.1863	1.8413
RP50/A	.4091	.5624	.6182	.6450	.6765	.7075	.7490	.7730	.8335	.8969	1.0257	1.3530	2.0584
RP100/A	.4527	.6290	.6909	.7187	.7517	.7902	.8418	.8681	.9327	1.0060	1.1477	1.5168	2.2692
RP1000/A	.5923	.8450	.9250	.9847	.9909	1.0551	1.1426	1.1761	1.2527	1.3511	1.5407	2.0479	2.9404
RP10000/A	.7271	1.0590	1.1525	1.1826	1.2204	1.3109	1.4364	1.4771	1.5635	1.6863	1.9225	2.5668	3.5842
PMP/A	1.3962	1.9534	2.1968	2.3138	2.4539	2.5806	2.6861	2.7569	2.9905	3.2254	3.6756	4.7733	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T12 3682 10	STATION NAME OUADALUPE P I C 352	ELEV 397	SEC 80	TWP 10N	RNG LOT 26W	BWM S	LATITUDE 3A-962	LONGITUDE 120-574	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.59	1.87	2.07	2.24	2.41	2.55	2.74	3.02	3.58	3.92	4.58	6.42	11.10
5	2.25	2.75	3.10	3.34	3.59	3.87	4.19	4.59	5.42	5.92	6.88	9.83	15.60
10	2.69	3.36	3.79	4.08	4.37	4.76	5.19	5.68	6.66	7.28	8.46	11.84	18.35
20	3.11	3.95	4.46	4.77	5.09	5.60	6.15	6.72	7.85	8.58	9.96	13.97	21.32
25	3.24	4.13	4.66	4.99	5.32	5.86	6.45	7.05	8.22	8.99	10.43	14.64	22.16
40	3.51	4.52	5.10	5.44	5.79	6.40	7.09	7.73	8.99	9.84	11.41	16.04	23.96
50	3.64	4.70	5.30	5.65	6.01	6.65	7.38	8.06	9.36	10.23	11.88	16.70	24.80
100	4.02	5.26	5.92	6.30	6.68	7.43	8.30	9.05	10.47	11.45	13.29	18.72	27.34
200	4.40	5.81	6.56	6.93	7.33	8.20	9.20	10.02	11.57	12.65	14.68	20.71	29.82
1000	5.26	7.06	7.93	8.37	8.80	9.92	11.27	12.26	14.07	15.38	17.84	25.27	35.42
10000	6.46	8.83	9.88	10.36	10.84	12.33	14.16	15.39	17.58	19.20	22.26	31.68	43.18
PMP	12.41	16.32	18.83	20.27	21.79	24.27	28.48	28.73	33.58	36.72	42.35	58.91	84.87
MEAN	1.739	2.098	2.322	2.491	2.656	2.846	3.110	3.429	4.028	4.405	5.124	7.250	12.044
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.217	2.037	2.082	2.302	2.015	2.034	2.533	2.351	2.039	1.875	1.673	1.823	1.188
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	5.125	14.385	13.082	10.478	9.010	12.843	12.056	11.188	6.700	7.893	6.477	7.863	4.598
RECORD YEAR	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD MAXIMUM	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	3.750	7.270	7.900	7.900	8.310	10.320	11.180	11.633	12.650	13.010	14.400	21.620	26.910
CALC. COEF. VAR	2.614	4.217	4.255	4.043	3.914	4.410	4.377	4.294	3.871	3.741	3.512	3.069	3.009
REDN. COEF. VAR	.442	.584	.584	.537	.543	.596	.593	.557	.593	.522	.520	.519	.410
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1444	.1742	.1928	.2068	.2206	.2362	.2582	.2847	.3344	.3657	.4254	.6019	1.0000
RP10/A	.2234	.2792	.3149	.3385	.3626	.3956	.4307	.4714	.5530	.6047	.7022	.9830	1.5000
RP25/A	.2688	.3431	.3872	.4142	.4417	.4862	.5358	.5852	.6824	.7462	.8661	1.2153	1.8413
RP50/A	.3016	.3902	.4400	.4692	.4987	.5524	.6130	.6666	.7759	.8495	.9858	1.3884	2.0584
RP100/A	.3339	.4384	.4917	.5228	.5541	.6092	.6801	.7317	.8604	.9577	1.1030	1.5339	2.2992
RP1000/A	.4369	.5862	.6563	.6945	.7305	.8239	.9352	1.0176	1.1676	1.2768	1.4808	2.0980	2.9484
RP10000/A	.5364	.7326	.8202	.8602	.8997	1.0236	1.1757	1.2780	1.4573	1.5936	1.8477	2.6295	3.5842
PMP/A	1.0300	1.3552	1.5634	1.6830	1.8091	2.0150	2.1965	2.3854	2.7874	3.0480	3.5325	4.8970	7.0450

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 712 6576 0	STATION NAME 02ENA	ELEV 33	SEC 3705	TWP 21	RNG LOT 07N 23W	BNM S	LATITUDE 34.700	LONGITUDE 119.317	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.35	2.79	3.06	3.30	3.56	3.62	3.76	3.92	4.35	4.63	5.21	7.23	11.65
5	3.33	4.11	4.57	4.93	5.31	5.51	5.75	5.96	6.57	6.99	7.67	10.93	16.37
10	3.98	5.02	5.59	6.01	6.46	6.76	7.13	7.37	8.08	8.60	9.67	13.32	19.47
20	4.59	5.89	6.57	7.04	7.53	7.95	8.45	8.72	9.52	10.13	11.38	15.71	22.37
25	4.79	6.16	6.87	7.34	7.87	8.33	8.87	9.14	9.97	10.61	11.92	16.47	23.28
40	5.19	6.74	7.51	8.02	8.56	9.10	9.74	10.03	10.91	11.61	13.04	18.04	25.15
50	5.37	7.01	7.81	8.33	8.89	9.46	10.15	10.45	11.35	12.08	13.57	18.78	26.02
100	5.95	7.84	8.73	9.28	9.87	10.57	11.41	11.74	12.71	13.52	15.18	21.05	28.69
200	6.51	8.66	9.63	10.25	10.84	11.65	12.65	13.00	14.04	14.93	16.77	23.30	31.29
1000	7.78	10.33	11.69	12.53	13.61	14.11	15.48	15.90	17.05	18.14	20.38	28.43	37.17
10000	9.55	13.16	14.56	15.28	16.63	17.53	19.47	19.97	21.30	22.65	25.43	35.63	45.31
PMP	18.34	24.35	27.75	29.89	32.23	34.50	36.40	37.27	40.74	43.34	48.63	66.26	89.06
MEAN	2.570	3.129	3.422	3.672	3.930	4.045	4.275	4.448	4.887	5.200	5.855	8.155	12.641
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	2.082	1.810	1.459	1.250	1.156	1.116	1.081	1.028	1.060	1.176	1.217	1.360	1.235
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.200	1.300	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	10.454	7.747	5.431	4.737	4.031	3.771	3.617	3.617	3.494	3.953	4.019	4.515	4.358
N	61	61	61	61	61	61	61	61	61	61	61	61	62
RECORD YEAR	1914	1914	1914	1962	1962	1962	1969	1969	1962	1969	1918	1911	1941
RECORD MAXIMUM	7.700	9.400	9.470	9.750	9.150	10.070	10.410	10.950	11.600	13.420	14.080	22.980	32.630
NORMALIZED MAX	3.930	3.761	3.221	3.001	2.758	2.681	2.582	2.661	2.592	2.805	3.27	3.109	3.309
CALC. COEF. VAR	.508	.530	.549	.552	.558	.556	.549	.530	.548	.557	.545	.475	.403
REGION. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.2033	.2475	.2707	.2904	.3109	.3200	.3382	.3518	.3866	.4113	.4632	.6451	1.0000
RP10/A	.3148	.3987	.4439	.4758	.5110	.5251	.5641	.5995	.6393	.6802	.7646	1.0536	1.5402
RP25/A	.3786	.4876	.5419	.5819	.6210	.6351	.7018	.7369	.7869	.8393	.9431	1.3025	1.8413
RP50/A	.4250	.5545	.6179	.6591	.7029	.7483	.8030	.8267	.8981	.9558	1.0734	1.4856	2.0584
RP100/A	.4703	.6202	.6905	.7344	.7809	.8356	.9024	.9283	1.0051	1.0694	1.2010	1.6655	2.2692
RP1000/A	.6154	.8331	.9245	.9556	1.0295	1.1160	1.2249	1.2578	1.3499	1.4362	1.6124	2.2487	2.9404
RP10000/A	.7754	1.0412	1.1518	1.2084	1.2679	1.3665	1.5399	1.5707	1.6848	1.7826	2.0120	2.6184	3.5842
PMP/A	1.4506	1.9259	2.1954	2.3643	2.5495	2.7295	2.8796	2.9484	3.2225	3.4286	3.8465	5.2413	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 712 7946 0	STATION NAME SANTA MARIA AP	ELEV 238	SEC 3705	TWP 21	RNG LOT 07N 23W	BNM 5	LATITUDE 34.900	LONGITUDE 120.450	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.81	2.12	2.32	2.51	2.68	2.80	2.90	3.14	3.78	4.16	4.97	7.32	12.38
5	2.57	3.12	3.47	3.74	4.00	4.26	4.44	4.78	5.72	6.31	7.50	10.97	17.40
10	3.07	3.81	4.25	4.56	4.86	5.24	5.50	5.90	7.03	7.76	9.22	13.50	20.49
20	3.54	4.47	4.99	5.34	5.67	6.16	6.52	6.99	8.28	9.14	10.85	15.92	23.78
25	3.69	4.68	5.23	5.58	5.92	6.44	6.84	7.33	8.67	9.58	11.37	16.49	24.74
40	4.00	5.12	5.71	6.08	6.44	7.04	7.51	8.04	9.49	10.46	12.44	18.28	26.73
50	4.15	5.32	5.94	6.32	6.68	7.32	7.83	8.38	9.98	10.91	12.94	19.03	27.66
100	4.59	5.96	6.64	7.04	7.43	8.18	8.60	9.40	11.05	12.21	14.48	21.34	30.49
200	5.02	6.58	7.33	7.75	8.15	9.02	9.75	10.42	12.21	13.49	15.99	23.61	33.26
1000	6.00	8.00	8.89	9.35	9.79	10.92	11.94	12.74	14.84	16.39	19.44	28.61	39.51
10000	7.37	10.00	11.07	11.59	12.06	13.57	15.01	16.00	18.53	20.46	24.25	36.10	48.16
PMP	14.15	18.49	21.11	22.67	24.25	26.71	28.07	29.87	35.44	39.13	46.37	67.14	94.05
CLOCK MR. COR.	1.983	2.377	2.603	2.785	2.957	3.131	3.297	3.564	4.251	4.695	5.583	8.263	13.438
CALCULATED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	.840	.680	.584	.507	.452	.410	.374	.344	.974	1.057	.866	1.073	1.475
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.563	3.353	3.333	3.433	3.475	3.407	3.479	3.900	3.934	2.997	3.247	4.217	5.071
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1936	1943	1943	1943	1962	1962	1962	1962	1962	1962	1941	1941	1941
RECORD MAXIMUM	3.350	4.350	5.240	5.450	6.210	6.350	6.760	7.460	9.240	9.690	11.560	17.640	30.750
NORMALIZED MAX	1.927	2.103	2.417	2.349	2.399	2.297	2.332	2.566	2.649	2.337	2.293	2.435	2.879
CALC. COEF. VAR	.410	.395	.419	.438	.459	.447	.451	.426	.443	.455	.467	.446	.448
REGION. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1476	.1789	.1937	.2073	.2201	.2330	.2454	.2653	.3184	.3494	.4155	.6150	1.0000
RP10/A	.2284	.2835	.3165	.3394	.3617	.3897	.4093	.4393	.5233	.5778	.6860	1.0045	1.5402
RP25/A	.2749	.3485	.3891	.4152	.4406	.4797	.5092	.5454	.6457	.7130	.8461	1.2419	1.8413
RP50/A	.3086	.3963	.4421	.4703	.4975	.5450	.5826	.6234	.7351	.8117	.9631	1.4165	2.0584
RP100/A	.3415	.4432	.4941	.5240	.5548	.6087	.6548	.7092	.8226	.9084	1.0775	1.5880	2.2404
RP1000/A	.4468	.5954	.6616	.7288	.7867	.8628	.9087	.9484	1.1040	1.2200	1.4466	2.1440	2.9404
RP10000/A	.5485	.7441	.8242	.8623	.8975	1.0098	1.1173	1.1911	1.3790	1.5227	1.8051	2.6871	3.5842
PMP/A	1.0532	1.3764	1.5710	1.6671	1.8048	1.9878	2.0893	2.2232	2.6375	2.9125	3.4972	5.2413	7.0450

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15
 SEASONAL DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE			
T12 8267 1	515QUONOC RANCH 415	390	600	09N	31W	5	34-833	120-167	42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS N=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.50	2.70	2.88	3.07	3.26	3.51	3.81	4.28	4.56	5.27	7.44	13.18
5	3.03	3.60	4.03	4.29	4.57	4.98	5.37	5.70	6.47	6.89	7.95	11.15	18.53
10	3.62	4.50	4.94	5.23	5.56	6.09	6.65	7.15	7.95	8.47	9.77	13.71	22.03
20	4.18	5.28	5.80	6.13	6.48	7.16	7.69	8.46	9.37	9.98	11.51	16.17	25.31
25	4.35	5.53	6.07	6.40	6.77	7.50	8.28	8.88	9.81	10.45	12.05	16.95	26.34
40	4.72	6.05	6.63	6.96	7.37	8.20	9.09	9.74	10.74	11.44	13.19	18.57	28.45
50	4.89	6.20	6.90	7.25	7.65	8.52	9.47	10.15	11.17	11.90	13.72	19.33	29.44
100	5.41	7.03	7.71	8.08	8.50	9.52	10.64	11.39	12.50	13.32	15.35	21.67	32.46
200	5.92	7.77	8.51	8.90	9.33	10.49	11.80	12.62	13.81	14.71	16.96	23.98	35.40
1000	7.08	9.45	10.32	10.74	11.20	12.71	14.45	15.44	16.79	17.89	20.61	28.26	42.08
10000	8.69	11.81	12.86	13.30	13.79	15.79	18.16	19.30	20.96	22.32	25.72	36.68	51.27
PMP	16.68	21.84	24.51	26.02	27.74	31.08	33.97	36.19	40.09	42.70	49.17	68.21	100.77
MEAN	2.338	2.607	3.022	3.197	3.383	3.644	3.989	4.318	4.810	5.123	5.920	8.395	14.303
CLOCK HR. COR.	1.149	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.149	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	5.316	5.471	6.139	7.285	6.680	4.954	5.342	5.014	5.732	5.288	5.020	5.024	3.303
RECORD YEAR	19	22	22	22	22	22	22	22	22	22	22	22	22
RECORD MAXIMUM	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1969	1969
NORMALIZED MAX	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560
CALC. COEF. VAR	1.398	2.564	2.866	3.140	3.120	2.808	2.820	2.775	2.958	2.734	2.674	2.721	2.175
REGION. COEF. VAR	.356	.399	.413	.491	.537	.528	.536	.511	.525	.535	.489	.488	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1635	.1963	.2113	.2235	.2365	.2548	.2789	.3019	.3363	.3582	.4139	.5669	1.0000
RP10/A	.2530	.3146	.3462	.3660	.3887	.4260	.4652	.4999	.5561	.5922	.6833	.9566	1.5402
RP25/A	.3044	.3866	.4244	.4478	.4735	.5244	.5787	.6208	.6962	.7306	.8428	1.1851	1.8415
RP50/A	.3418	.4396	.4823	.5072	.5346	.5958	.6622	.7094	.7812	.8320	.9592	1.3517	2.0584
RP100/A	.3782	.4917	.5389	.5651	.5940	.6854	.7442	.7966	.8742	.9311	1.0733	1.5153	2.2692
RP1000/A	.4946	.6608	.7216	.7507	.7831	.8885	1.0102	1.0793	1.1741	1.2505	1.4409	2.0459	2.9404
RP10000/A	.6074	.8255	.8999	.9299	.9644	1.1039	1.2599	1.3554	1.4655	1.5607	1.7980	2.5942	3.8842
PMP/A	1.1664	1.5270	1.7136	1.8193	1.9392	2.1731	2.3748	2.5300	2.8030	2.9652	3.4374	4.7886	7.0450

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T12 8064 1	STATION NAME TEPUSQUET CYN	ELEV 3248	SEC TWP	RNG LOT 48N 00E	LATITUDE 34.908	LONGITUDE 120.185	COUNTY CODE 42
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS N=HOURS							
RETURN PERIOD IN YEARS	10	20	30	W YR			
2	2.57	3.12	3.32	17.32			
5	3.84	4.40	4.98	24.41			
10	4.35	5.62	6.07	29.14			
20	5.02	6.59	7.12	35.66			
25	5.23	6.90	7.46	36.00			
40	5.87	7.85	8.15	37.90			
50	5.87	7.85	8.47	39.26			
100	6.50	8.78	9.47	43.41			
200	7.11	9.70	10.45	47.48			
1000	8.50	11.79	12.68	56.72			
10000	10.44	14.74	15.80	68.56			
PMP	20.05	27.26	30.11	133.32			
MEAN	2.809	3.504	3.713	18.024			
CLOCK HR. COR.	1.140	1.070	1.040	1.000			
CALCULATED SKEW	.653	1.293	1.046	1.170			
REGIONAL SKEW	1.300	1.800	1.400	1.300			
SKEW USED	1.300	1.500	1.600	1.300			
KURTOSIS	3.529	4.955	4.001	4.082			
N	25	25	20	25			
RECORD YEAR	1956	1951	1951	1958			
RECORD MAXIMUM	4.000	7.150	7.240	38.340			
NORMALIZED MAX	1.814	2.510	2.204	2.689			
CALC. COEF. VAR	.262	.415	.420	.382			
REGION. COEF. VAR	.409	.452	.474	.403			
USED COEF. VAR	.409	.452	.474	.403			
MEAN/A	.1485	.1851	.1982	1.0000			
RP10/A	.2298	.2967	.3205	1.5394			
RP25/A	.2765	.3647	.3941	1.8496			
RP50/A	.3104	.4147	.4478	2.0748			
RP100/A	.3434	.4638	.5006	2.2940			
RP1000/A	.4494	.6231	.6700	2.9071			
RP10000/A	.5514	.7787	.8348	3.6750			
PMP/A	1.0592	1.4404	1.5911	7.0450			

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
713 5107 0	LOS ALAMOS 351	399	565	30	08N	32W	5	34.750	120.283	42			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.47	2.80	3.07	3.32	3.50	3.80	4.09	4.69	5.08	5.98	8.38	14.02
5	2.98	3.63	4.18	4.58	4.95	5.32	5.82	6.21	7.09	7.67	9.02	12.56	19.71
10	3.57	4.43	5.11	5.59	6.02	6.54	7.21	7.68	8.71	9.44	11.09	15.45	23.44
20	4.12	5.20	6.01	6.54	7.02	7.69	8.55	9.08	10.26	11.12	13.05	18.22	26.94
25	4.29	5.45	6.25	6.84	7.33	8.05	8.97	9.53	10.75	11.64	13.67	19.10	28.03
40	4.65	5.98	6.87	7.46	7.98	8.60	9.65	10.46	11.89	12.74	14.96	20.92	30.28
50	4.82	6.20	7.15	7.75	8.28	9.15	10.27	10.89	12.44	13.26	15.56	21.78	31.33
100	5.33	6.93	7.98	8.64	9.26	10.22	11.54	12.23	13.70	14.84	17.41	24.42	34.54
200	5.84	7.65	8.81	9.50	10.10	11.27	12.79	13.55	15.13	16.39	19.23	27.62	37.67
1000	6.98	9.31	10.69	11.47	12.13	13.64	15.66	16.57	18.40	19.92	23.38	32.97	44.75
10000	8.57	11.63	13.32	14.21	14.94	16.95	19.69	20.81	22.96	24.87	29.17	41.32	54.55
PMP	16.45	21.52	25.39	27.80	30.04	33.37	36.82	38.84	43.91	47.56	55.77	76.84	107.23
MEAN	2.306	2.766	3.131	3.415	3.664	3.911	4.324	4.635	5.269	5.707	6.715	9.457	15.220
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.843	2.083	1.856	1.523	1.278	1.159	1.001	1.008	1.174	1.419	1.486	1.495	1.135
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	8.272	10.038	8.762	6.582	6.762	5.839	5.499	5.833	4.579	4.468	4.747	4.830	4.276
N	66	65	65	65	65	65	65	65	65	65	65	65	67
RECORD YEAR	1918	1918	1918	1918	1918	1918	1918	1911	1911	1918	1918	1911	1941
RECORD MAXIMUM	8.130	8.130	9.250	9.930	10.350	10.450	11.440	12.410	13.280	13.730	17.740	25.380	35.200
NORMALIZED MAX	3.631	4.317	4.311	3.974	4.071	3.662	3.444	3.500	3.145	2.824	3.295	3.352	3.292
CALC. COEF. VAR	.418	.449	.453	.440	.448	.459	.478	.470	.483	.498	.498	.502	.401
REGN. COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
USED COEF. VAR	.409	.452	.474	.476	.480	.502	.501	.492	.489	.489	.487	.475	.403
MEAN/A	.1515	.1817	.2057	.2244	.2407	.2570	.2841	.3045	.3462	.3749	.4412	.6213	1.0000
RP10/A	.2345	.2912	.3360	.3674	.3956	.4297	.4739	.5043	.5724	.6200	.7284	1.0148	1.5402
RP25/A	.2822	.3580	.4131	.4496	.4819	.5290	.5895	.6260	.7053	.7580	.8984	1.2540	1.8413
RP50/A	.3168	.4070	.4595	.5092	.5441	.5810	.6745	.7156	.8041	.8710	1.0225	1.4330	2.0584
RP100/A	.3505	.4553	.5246	.5874	.6448	.6712	.7581	.8035	.8999	.9747	1.1441	1.6042	2.2892
RP1000/A	.4866	.6116	.7024	.7837	.7970	.8963	1.0290	1.0887	1.2086	1.3091	1.5360	2.1658	2.9404
RP10000/A	.5630	.7643	.8571	.9336	.9616	1.1136	1.2936	1.3672	1.5083	1.6339	1.9166	2.7135	3.5842
PMP/A	1.0810	1.4138	1.6881	1.8265	1.9737	2.1921	2.4190	2.5520	2.8852	3.1250	3.6642	5.0481	7.0450

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB		STATION NAME		ELEV	SEC	TWP	RNO	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE	
714 3048 0		FIGUEROA MTN		3200	26	08N	30W	Q	5	34.736	120.006	42	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.32	3.79	4.00	4.37	4.67	4.97	5.09	5.95	6.40	7.52	10.75	18.22
5	4.03	5.20	6.03	6.39	6.95	7.52	8.13	8.25	9.44	10.48	11.86	16.67	26.46
10	4.92	6.50	7.54	7.98	8.64	9.42	10.31	10.44	11.82	12.58	14.48	20.77	31.88
20	5.76	7.74	8.99	9.48	10.22	11.21	12.40	12.54	14.08	14.96	17.16	24.70	36.92
25	6.02	8.14	9.44	9.95	10.71	11.77	13.06	13.20	14.79	15.71	18.00	25.95	38.50
40	6.56	8.96	10.38	10.92	11.73	12.94	14.44	14.58	16.27	17.28	19.76	28.54	41.76
50	6.82	9.34	10.83	11.38	12.21	13.46	15.09	15.23	16.96	17.98	20.58	29.75	43.28
100	7.59	10.53	12.19	12.76	13.66	15.15	17.08	17.22	19.09	20.23	23.10	33.49	47.93
200	8.36	11.70	13.52	14.15	15.08	16.78	19.05	19.19	21.18	22.43	25.58	37.18	52.47
1000	10.09	14.37	16.56	17.25	18.29	20.49	23.54	23.69	25.94	27.44	31.23	45.62	67.72
10000	12.49	18.13	20.62	21.57	22.72	25.65	29.65	30.00	32.60	34.45	39.12	57.46	76.91
PMP	26.44	34.10	40.34	43.02	46.57	51.25	56.69	56.67	63.16	66.61	75.37	107.64	153.18
MEAN	3.007	3.803	4.333	4.541	4.915	5.316	5.782	5.908	6.795	7.295	8.521	12.275	19.958
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.861	1.281	1.153	1.027	.811	1.321	1.642	2.097	1.694	1.908	1.803	1.886	1.603
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.941	5.756	4.739	4.441	2.949	4.804	6.950	9.697	6.761	7.992	6.790	6.842	5.432
N	31	31	31	31	31	31	31	30	30	30	30	30	30
RECORD YEAR	1969	1943	1943	1969	1969	1971	1969	1969	1969	1969	1941	1941	1941
RECORD MAXIMUM	4.900	7.790	8.670	9.000	9.800	13.700	16.500	18.000	16.700	21.300	22.400	33.400	49.410
NORMALIZED MAX	1.021	2.736	2.445	2.605	2.106	2.902	3.057	3.854	3.423	3.629	3.211	3.079	3.920
CALC. COEF. VAR	.346	.383	.409	.421	.472	.543	.606	.531	.512	.529	.507	.560	.488
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1507	.1906	.2171	.2275	.2463	.2664	.2897	.2960	.3404	.3655	.4269	.6150	1.0000
RP10/A	.2465	.3255	.3778	.3996	.4328	.4718	.5164	.5230	.5921	.6303	.7254	1.0407	1.5965
RP25/A	.3016	.4077	.4730	.4985	.5368	.5898	.6463	.6613	.7410	.7871	.9020	1.3300	1.9290
RP50/A	.3415	.4682	.5425	.5703	.6117	.6755	.7552	.7630	.8498	.9015	1.0310	1.4907	2.1687
RP100/A	.3805	.5276	.6105	.6403	.6845	.7590	.8560	.8629	.9563	1.0136	1.1573	1.6781	2.4015
RP1000/A	.5054	.7201	.8299	.8845	.9163	1.0267	1.1796	1.1869	1.2997	1.3749	1.5645	2.2856	3.1426
RP10000/A	.6259	.9063	1.0429	1.0810	1.1386	1.2881	1.4958	1.5634	1.6332	1.7259	1.9401	2.8791	3.8536
PMP/A	1.2243	1.7094	2.0211	2.1856	2.3336	2.5678	2.8404	2.8493	3.1644	3.3373	3.7761	5.4032	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
714 3401 0	OIBRALTER DAM	1250	10	05N	27N	5	34.517	119.700	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	4.49	5.48	6.02	6.54	6.88	7.13	7.56	8.13	9.06	9.59	10.65
5	6.70	8.59	9.57	10.43	10.94	11.47	12.37	13.18	14.41	15.10	16.52
10	8.17	10.73	11.98	13.03	13.60	14.36	15.69	16.66	18.04	18.84	20.51
25	9.56	12.79	14.27	15.48	16.09	17.10	18.86	20.01	21.49	22.40	24.30
50	9.99	13.44	14.96	16.25	16.87	17.96	19.89	21.07	22.37	23.52	25.50
100	10.90	14.80	16.49	17.85	18.47	19.73	21.99	23.28	24.83	25.85	27.98
200	11.32	15.43	17.20	18.59	19.22	20.96	22.96	24.31	25.89	26.94	29.15
500	12.61	17.39	19.35	20.88	21.51	23.11	25.01	27.30	29.13	30.29	32.72
1000	13.08	18.32	21.47	23.11	23.74	25.60	27.64	30.64	32.32	33.59	36.23
10000	16.75	23.74	26.30	26.19	28.79	31.26	35.84	37.82	39.59	41.09	44.23
100000	20.74	29.94	33.06	35.24	35.77	39.12	45.45	47.90	49.75	51.58	55.41
PMP	40.57	56.32	64.07	70.28	73.32	78.17	86.30	90.79	96.39	99.73	106.75
MEAN	4.993	6.282	6.881	7.418	7.738	8.109	8.802	9.433	10.370	10.923	12.069
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.575	1.493	1.450	1.420	1.400	1.390	1.374	1.366	1.360	1.354	1.348
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500

KURTOSIS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	4.081	6.139	5.829	4.217	3.894	4.366	5.067	5.217	4.704	5.600	5.311
5	27	27	27	27	27	27	27	27	27	27	27
10	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
25	10.859	17.160	19.640	19.700	19.760	23.190	28.950	29.690	30.800	34.080	36.280
50	2.041	2.870	2.956	2.456	2.255	2.547	3.004	2.958	2.366	3.069	3.017
100	.575	.603	.627	.674	.689	.730	.762	.726	.695	.715	.665
200	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523
500	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523
1000	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523
10000	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523
100000	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523
PMP/A	1.6267	2.2581	2.5687	2.8180	2.9396	3.1344	3.4603	3.6402	3.8648	3.9987	4.2802
MEAN/A	.2002	.2519	.2759	.2974	.3103	.3251	.3529	.3782	.4158	.4380	.4839
RP10/A	.3275	.4302	.4802	.5224	.5452	.5759	.6291	.6682	.7231	.7553	.8222
RP25/A	.4007	.5389	.6011	.6517	.6762	.7200	.7975	.8449	.9050	.9431	1.0224
RP50/A	.4538	.6188	.6895	.7455	.7707	.8245	.9212	.9748	1.0379	1.0802	1.1686
RP100/A	.5056	.6973	.7750	.8370	.8624	.9285	1.0428	1.1025	1.1686	1.2145	1.3119
RP1000/A	.6715	.9519	1.0547	1.1301	1.1543	1.2532	1.4371	1.5163	1.5873	1.6475	1.7734
RP10000/A	.8316	1.2050	1.3255	1.4132	1.4344	1.5667	1.8223	1.9207	1.9947	2.0660	2.2217
PMP/A	1.6267	2.2581	2.5687	2.8180	2.9396	3.1344	3.4603	3.6402	3.8648	3.9987	4.2802

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
714 3402 0	OIBRALTER DAM	1550	11	05N	27W	5	34.524	119.688	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	4.34	5.26	5.69	6.19	6.59	6.99	7.56	8.13	9.06	9.59	10.65
5	6.46	8.23	9.04	9.84	10.43	10.94	11.47	12.37	13.18	14.41	15.10
10	7.88	10.29	11.31	12.02	12.59	13.10	13.60	14.36	15.69	16.66	18.04
25	9.64	12.68	14.16	15.18	15.79	16.30	17.10	18.86	20.01	21.49	22.40
50	10.51	14.18	15.87	16.90	17.51	18.12	19.02	20.01	21.49	22.40	24.30
100	10.92	14.79	16.24	17.26	17.87	18.48	19.48	20.48	21.96	22.96	25.50
200	12.16	16.67	18.27	19.27	19.88	20.49	21.99	23.28	24.83	25.85	27.98
500	13.39	18.53	20.28	21.28	21.89	22.50	24.00	25.29	26.84	27.86	29.99
1000	16.16	22.76	24.84	25.36	25.97	26.58	28.08	29.37	30.92	31.94	34.07
10000	20.01	28.70	31.22	32.22	32.83	33.44	35.94	37.23	38.78	39.80	42.93
PMP	39.14	53.99	60.49	66.49	68.49	72.49	80.49	84.49	89.49	92.49	99.49
MEAN	4.817	6.022	6.498	7.024	7.344	7.664	8.240	8.664	9.440	9.864	10.864
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.281	1.592	1.576	1.548	1.530	1.512	1.484	1.466	1.438	1.420	1.392
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500

KURTOSIS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	4.775	7.765	7.281	5.474	5.144	5.414	6.144	6.214	5.414	6.514	6.144
5	27	27	27	27	27	27	27	27	27	27	27
10	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
25	10.850	17.160	19.640	19.700	19.760	23.190	28.950	29.690	30.800	34.080	36.280
50	2.570	3.754	3.896	3.399	3.199	3.499	4.099	4.049	3.499	4.099	3.899
100	.487	.493	.519	.517	.517	.517	.517	.517	.517	.517	.517
200	.475	.531	.554	.544	.544	.544	.544	.544	.544	.544	.544
500	.475	.531	.554	.544	.544	.544	.544	.544	.544	.544	.544
1000	.475	.531	.554	.544	.544	.544	.544	.544	.544	.544	.544
10000	.475	.531	.554	.544	.544	.544	.544	.544	.544	.544	.544
100000	.475	.531	.554	.544	.544	.544	.544	.544	.544	.544	.544
PMP/A	1.6267	2.2581	2.5687	2.8180	2.9396	3.1344	3.4603	3.6402	3.8648	3.9987	4.2802
MEAN/A	.2022	.2520	.2727	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
RP10/A	.3308	.4317	.4747	1.5989	1.5989	1.5989	1.5989	1.5989	1.5989	1.5989	1.5989
RP25/A	.4047	.5409	.5942	1.9382	1.9382	1.9382	1.9382	1.9382	1.9382	1.9382	1.9382
RP50/A	.4583	.6210	.6815	2.1886	2.1886	2.1886	2.1886	2.1886	2.1886	2.1886	2.1886
RP100/A	.5106	.6999	.7670	2.4289	2.4289	2.4289	2.4289	2.4289	2.4289	2.4289	2.4289
RP1000/A	.6781	.9553	1.0425	3.2052	3.2052	3.2052	3.2052	3.2052	3.2052	3.2052	3.2052
RP10000/A	.8398	1.2648	1.3102	3.9547	3.9547	3.9547	3.9547	3.9547	3.9547	3.9547	3.9547
PMP/A	1.6267	2.2581	2.5687	2.8180	2.9396	3.1344	3.4603	3.6402	3.8648	3.9987	4.2802

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T14 4422 0	STATION NAME JUNICAL DAM	ELEV 398	SEC 2060	TWP 28	RND LOT 05N 25W	BWM 5	LATITUDE 34.483	LONGITUDE 119.517	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.02	6.28	6.78	7.41	7.71	8.36	8.96	8.98	10.43	11.01	12.46	16.74	25.90
5	7.49	9.83	10.78	11.82	12.26	13.46	14.66	14.55	16.55	17.34	19.33	25.98	37.50
10	9.13	12.29	13.49	14.76	15.24	16.85	18.59	18.39	20.72	21.64	23.99	32.36	45.27
20	10.68	14.65	16.08	17.55	18.03	20.06	22.37	22.09	24.68	25.73	28.44	38.48	52.46
25	11.17	15.48	16.89	18.42	18.90	21.07	23.56	23.26	25.93	27.02	29.84	40.42	54.70
40	12.17	16.58	18.25	20.09	20.68	23.15	25.85	25.05	28.52	29.69	32.74	44.45	59.34
50	12.65	17.68	19.37	21.07	21.53	24.13	27.22	26.83	29.73	30.95	34.10	46.35	61.50
100	14.09	19.92	21.80	23.66	24.10	27.11	30.81	30.35	33.46	34.80	38.28	52.18	68.10
200	15.50	22.14	24.19	26.19	26.60	30.04	34.36	33.82	37.13	38.58	42.39	57.93	74.55
1000	18.71	27.19	29.63	31.94	32.26	36.67	42.46	41.74	45.48	47.20	51.75	71.06	89.12
10000	23.18	34.30	37.24	39.94	40.08	45.90	53.65	52.87	57.15	58.25	64.84	85.52	109.28
PMP	45.33	64.51	72.17	79.64	82.15	91.72	102.25	100.21	110.72	114.56	124.91	167.99	217.65
MEAN	5.579	7.196	7.751	8.406	8.670	9.514	10.428	10.412	11.912	12.548	14.122	19.123	26.358
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.032	1.947	1.790	1.617	1.622	2.022	2.527	2.466	2.272	2.537	2.053	2.507	1.824
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOIS	8.186	7.865	6.912	5.528	6.700	7.788	10.881	11.338	9.389	10.965	8.869	11.563	5.752
N	46	46	46	46	46	46	28	46	28	46	28	46	28
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	16.000	21.000	23.020	22.700	28.630	33.630	43.410	43.011	45.404	50.410	51.770	72.640	80.130
NORMALIZED MAX	3.17	3.217	3.182	2.642	3.449	3.406	3.872	4.480	3.709	3.889	4.210	3.977	3.405
CALC. COEF. VAR	.549	.589	.623	.668	.668	.744	.817	.716	.750	.776	.633	.704	.527
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1967	.2538	.2733	.2964	.3057	.3355	.3677	.3672	.4201	.4425	.4980	.6743	1.0000
RP10/A	.3219	.4334	.4757	.5207	.5373	.5943	.6555	.6486	.7306	.7630	.8461	1.1410	1.5965
RP25/A	.3938	.5429	.5955	.6495	.6663	.7429	.8209	.8202	.9143	.9527	1.0521	1.4254	1.9290
RP50/A	.4459	.6234	.6830	.7430	.7594	.8508	.9599	.9463	1.0485	1.0913	1.2026	1.6344	2.1687
RP100/A	.4968	.7025	.7687	.8342	.8497	.9560	1.0866	1.0702	1.1800	1.2270	1.3500	1.8399	2.4015
RP1000/A	.6599	.9589	1.0449	1.1263	1.1374	1.2931	1.4974	1.4720	1.6036	1.6643	1.8250	2.5060	3.1429
RP10000/A	.8173	1.2095	1.3132	1.4084	1.4134	1.6166	1.8988	1.8645	2.0151	2.0892	2.2804	3.1587	3.8536
PMP/A	1.5986	2.2749	2.5446	2.8085	2.8967	3.2342	3.6056	3.5338	3.9045	4.0397	4.4047	5.9240	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T14 5064 25	STATION NAME LOMPOC BURPEE SEED CO	ELEV 100	SEC 06N	TWP 34W	RND LOT 5	BWM 34.567	LATITUDE 120.483	LONGITUDE 42	COUNTY CODE
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	1.62	1.86	2.01	11.01					
5	2.42	2.92	3.19	16.04					
10	2.95	3.65	4.00	19.39					
20	3.45	4.35	4.76	22.56					
25	3.61	4.57	5.00	23.55					
40	3.93	5.03	5.50	25.61					
50	4.08	5.25	5.74	26.57					
100	4.55	5.92	6.46	29.51					
200	5.01	6.57	7.17	32.40					
1000	6.04	8.08	8.78	38.94					
10000	7.49	10.19	11.03	48.05					
PMP	14.64	19.16	21.39	93.25					
MEAN	1.802	2.137	2.297	12.150					
CLOCK NR. COR.	1.140	1.070	1.040	1.000					
CALCULATED SKEW	.606	.608	1.016	1.167					
REGIONAL SKEW	1.300	1.500	1.400	1.300					
SKEW USED	1.300	1.500	1.400	1.300					
KURTOSIS	3.281	4.164	3.649	3.809					
N	22	22	22	22					
RECORD YEAR	1963	1956	1962	1958					
RECORD MAXIMUM	2.890	3.860	4.530	22.300					
NORMALIZED MAX	1.421	2.039	2.122	2.225					
CALC. COEF. VAR	.347	.395	.458	.375					
REGION. COEF. VAR	.475	.531	.584	.445					
USED COEF. VAR	.475	.531	.584	.445					
MEAN/A	.1483	.1759	.1890	1.0000					
RP10/A	.2427	.3004	.3250	1.5959					
RP25/A	.2999	.3763	.4110	1.9382					
RP50/A	.3362	.4321	.4723	2.1886					
RP100/A	.3746	.4869	.5315	2.4289					
RP1000/A	.4975	.6647	.7225	3.2052					
RP10000/A	.6161	.8383	.9080	4.7547					
PMP/A	1.2052	1.5768	1.7596	7.6750					

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE
T14 5064 40	LOMPOC J M 375	378	570	06N	34W	5		34.600	120.450	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	2.62	2.99	3.37	3.65	3.88	4.14	4.31	4.68	5.48	5.94	6.81
5	3.91	4.68	5.35	5.83	6.17	6.66	7.05	7.59	8.69	9.36	10.57
10	4.77	5.85	6.69	7.28	7.67	8.34	8.94	9.60	10.88	11.67	13.12
20	5.58	6.97	7.98	8.65	9.07	9.93	10.76	11.52	12.96	13.88	15.54
25	5.83	7.33	8.38	9.08	9.51	10.42	11.33	12.14	13.62	14.57	16.31
40	6.36	8.07	9.22	9.97	10.42	11.45	12.53	13.41	14.98	16.02	17.90
50	6.60	8.41	9.61	10.38	10.84	11.94	13.09	14.00	15.62	16.69	18.64
100	7.36	9.48	10.81	11.66	12.13	13.41	14.62	15.48	17.87	18.77	20.93
200	8.19	10.53	12.00	12.91	13.39	14.86	16.53	17.65	19.50	20.61	23.17
1000	9.77	12.94	14.70	15.74	16.24	18.14	20.43	21.78	23.88	25.46	28.29
10000	12.10	16.32	18.47	19.68	20.18	22.71	25.90	27.59	30.01	31.66	35.44
PMP	23.67	30.70	35.80	39.25	41.35	45.38	49.18	52.29	58.15	61.80	68.28

MEAN	2.913	3.424	3.846	4.142	4.364	4.707	5.016	5.433	6.256	6.769	7.719
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.112	0.985	0.900	0.868	0.865	0.865	0.865	0.865	0.865	0.865	0.865
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500

KURTOSIS	3.884	3.619	2.819	3.329	3.443	3.423	3.329	3.592	3.900	3.547	4.504
RECORD YEAR	47	46	46	46	46	46	46	46	46	46	47
RECORD MAXIMUM	1942	1942	1956	1962	1962	1962	1962	1962	1962	1962	1941
NORMALIZED MAX	5.710	6.435	7.580	9.065	9.720	10.300	11.480	14.140	16.850	16.730	26.030
CALC. COEF. VAR	2.154	2.425	2.185	2.578	2.710	2.483	2.516	2.726	3.046	2.787	3.142
REGN. COEF. VAR	.446	.422	.444	.455	.453	.429	.435	.408	.414	.433	.419
USED COEF. VAR	.475	.531	.554	.566	.565	.576	.587	.576	.553	.542	.519
PMP	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.519

MEAN/A	1.1569	1.1845	1.2072	1.2232	1.2351	1.2536	1.2702	1.2927	1.3370	1.3647	1.4159
RP10/A	1.2568	1.3151	1.3606	1.3920	1.4132	1.4492	1.4617	1.5171	1.5861	1.6289	1.7066
RP25/A	1.3141	1.3947	1.4514	1.4890	1.5124	1.5615	1.6107	1.6538	1.7336	1.7852	1.8787
RP50/A	1.3557	1.4532	1.5177	1.5594	1.5840	1.6431	1.7054	1.7544	1.8413	1.8994	1.9944
RP100/A	1.3763	1.5105	1.5826	1.6286	1.6535	1.7228	1.7965	1.8532	1.9467	1.0113	1.1274
RP1000/A	1.4264	1.6972	1.7920	1.8480	1.8747	1.9774	1.1004	1.1735	1.2866	1.3717	1.5241
RP10000/A	1.6519	1.8793	1.9953	1.10604	1.0869	1.2235	1.3954	1.4864	1.6168	1.7219	1.9094
PMP/A	1.2751	1.6540	1.9288	2.1145	2.2277	2.4444	2.6497	2.8172	3.1326	3.3295	3.6785

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE
T14 7249 26	RANCHO SAN JULIAN	600		05N	33W			34.533	120.333	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	3.35	3.95	4.34	4.52	4.68	4.84	5.00	5.16	5.32	5.48	5.64
5	4.99	6.19	6.89	7.31	7.59	7.87	8.15	8.43	8.71	8.99	9.27
10	6.08	7.74	8.62	9.27	9.68	10.09	10.50	10.91	11.32	11.73	12.14
20	7.12	9.23	10.27	11.07	11.68	12.29	12.90	13.51	14.12	14.73	15.34
25	7.44	9.69	10.79	11.60	12.21	12.82	13.43	14.04	14.65	15.26	15.87
40	8.11	10.67	11.87	12.50	13.12	13.74	14.36	14.98	15.60	16.22	16.84
50	8.43	11.13	12.38	13.01	13.63	14.25	14.87	15.49	16.11	16.73	17.35
100	9.39	12.54	13.93	14.56	15.18	15.81	16.43	17.06	17.68	18.31	18.93
200	10.33	13.94	15.46	16.32	17.18	18.04	18.90	19.76	20.62	21.48	22.34
1000	12.47	17.12	18.94	19.76	20.58	21.40	22.22	23.04	23.86	24.68	25.50
10000	15.44	21.60	23.80	25.02	26.24	27.46	28.68	29.90	31.12	32.34	33.56
PMP	30.20	40.62	46.13	48.25	50.37	52.49	54.61	56.73	58.85	60.97	63.09

MEAN	3.717	4.531	4.954	5.174	5.394	5.614	5.834	6.054	6.274	6.494	6.714
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.078	1.213	1.353	1.493	1.633	1.773	1.913	2.053	2.193	2.333	2.473
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500

KURTOSIS	3.339	4.551	4.487	4.548	4.609	4.670	4.731	4.792	4.853	4.914	4.975
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	6.620	10.360	10.790	10.830	10.870	10.910	10.950	10.990	11.030	11.070	11.110
NORMALIZED MAX	1.997	2.680	2.615	2.670	2.725	2.780	2.835	2.890	2.945	2.999	3.054
CALC. COEF. VAR	.301	.447	.450	.425	.425	.425	.425	.425	.425	.425	.425
REGN. COEF. VAR	.475	.531	.534	.534	.534	.534	.534	.534	.534	.534	.534
USED COEF. VAR	.475	.531	.534	.534	.534	.534	.534	.534	.534	.534	.534

MEAN/A	1.1565	1.1908	1.2086	1.2100	1.2114	1.2128	1.2142	1.2156	1.2170	1.2184	1.2198
RP10/A	1.2501	1.3259	1.3631	1.3902	1.4173	1.4444	1.4715	1.4986	1.5257	1.5528	1.5799
RP25/A	1.3133	1.4063	1.4546	1.4932	1.5318	1.5704	1.6090	1.6476	1.6862	1.7248	1.7634
RP50/A	1.3548	1.4688	1.5214	1.5606	1.5998	1.6390	1.6782	1.7174	1.7566	1.7958	1.8350
RP100/A	1.3963	1.5263	1.5868	1.6289	1.6710	1.7131	1.7552	1.7973	1.8394	1.8815	1.9236
RP1000/A	1.5250	1.7211	1.7976	1.8492	1.8908	1.9324	1.9740	2.0156	2.0572	2.0988	2.1404
RP10000/A	1.6503	1.9095	1.9923	2.0547	2.1171	2.1795	2.2419	2.3043	2.3667	2.4291	2.4915
PMP/A	1.2719	1.7107	1.9424	2.1741	2.4058	2.6375	2.8692	3.1009	3.3326	3.5643	3.7960

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
T14 7905 10	SANTA BARBARA BUTANIC ODN	710	04	04N	27W		5	34.467	119.717	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	3.43	4.15	4.54	20.39
5	5.11	6.51	7.22	29.69
10	6.23	8.13	9.03	35.90
20	7.29	9.89	10.76	41.76
25	7.63	10.19	11.31	43.60
40	8.31	11.21	12.44	47.40
100	9.84	13.18	14.57	54.14
200	10.59	14.85	16.20	59.98
1000	12.78	17.99	19.84	72.10
10000	15.83	22.70	24.93	88.96
PMP	36.96	42.69	46.32	172.84
MEAN	3.810	4.762	5.196	22.494
CLOCK HR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	1.822	1.467	1.062	1.092
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300
KURTOSIS	8.343	5.685	6.619	3.686
N	62	62	62	61
RECORD YEAR	1943	1943	1943	1941
RECORD MAXIMUM	9.580	12.590	15.220	54.240
NORMALIZED MAX	3.559	3.413	3.816	3.215
CALC. COEF. VAR	.425	.482	.506	.439
REGION. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445
MEAN/A	.1694	.2117	.2307	1.0000
RP10/A	.2771	.3616	.4015	1.5959
RP25/A	.3396	.4529	.5027	1.9382
RP50/A	.3859	.5200	.5765	2.1868
RP100/A	.4278	.5860	.6488	2.4289
RP1000/A	.5681	.8000	.8819	3.2052
RP10000/A	.7036	1.0089	1.1083	3.9547
PMP/A	1.3763	1.8577	2.1478	6.7550

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
T14 7976 0	SANTA YNEZ	600						34.617	120.100	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.14	2.66	2.95	3.26	3.45	3.53	3.72	3.94	4.53	4.89	5.61	7.04	13.12
5	3.18	4.17	4.70	5.20	5.48	5.67	6.08	6.39	7.20	7.70	8.70	12.19	19.05
10	3.68	5.21	5.96	6.49	6.81	7.11	7.72	8.08	9.01	9.60	10.80	15.15	22.94
20	4.84	6.21	7.00	7.72	8.06	8.46	9.29	9.71	10.73	11.42	12.80	18.02	26.58
25	4.75	6.52	7.36	8.10	8.45	8.88	9.78	10.22	11.27	11.99	13.43	18.92	27.72
40	5.18	7.16	8.09	8.89	9.25	9.76	10.81	11.29	12.40	13.18	14.74	20.81	30.07
50	5.38	7.49	8.44	9.27	9.63	10.17	11.30	11.79	12.93	13.73	15.35	21.70	31.16
100	5.99	8.44	9.49	10.40	10.77	11.43	12.79	13.33	14.55	15.44	17.24	24.43	34.51
200	6.59	9.39	10.54	11.52	11.89	12.67	14.28	14.88	16.14	17.12	19.09	27.12	37.78
1000	7.96	11.52	12.91	14.05	14.42	15.46	17.83	18.34	19.77	20.95	23.30	33.27	45.18
10000	9.05	14.53	16.22	17.57	17.92	19.36	22.35	23.23	24.64	26.29	29.19	41.91	55.37
PMP	19.28	27.33	31.43	35.03	36.72	38.68	42.44	44.03	48.14	50.64	56.23	78.65	110.29
MEAN	2.372	3.048	3.376	3.697	3.876	4.012	4.329	4.575	5.179	5.569	6.358	8.953	14.370
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.981	1.525	1.385	.973	1.011	.986	1.263	1.195	1.231	1.476	1.705	1.937	2.177
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	4.737	6.368	6.008	3.582	3.310	3.196	4.311	4.154	3.982	4.069	5.772	6.066	6.427
N	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD YEAR	1969	1943	1943	1943	1943	1943	1969	1969	1969	1939	1941	1969	1941
RECORD MAXIMUM	4.200	6.710	7.460	7.670	7.860	8.280	10.900	11.50	12.200	14.800	17.400	25.530	43.250
NORMALIZED MAX	2.187	2.781	2.680	2.395	2.078	2.120	2.842	2.829	2.501	2.884	3.023	2.998	3.339
CALC. COEF. VAR	.352	.435	.420	.449	.408	.500	.534	.535	.521	.562	.579	.618	.553
REGION. COEF. VAR	.478	.531	.554	.585	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.585	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1051	.2121	.2350	.2573	.2697	.2792	.3012	.3184	.3604	.3875	.4424	.6230	1.0000
RP10/A	.2701	.3823	.4089	.4819	.4740	.4945	.5370	.5624	.6268	.6863	.7517	1.0542	1.5945
RP25/A	.3139	.4538	.4871	.5678	.5678	.5883	.6487	.7112	.7845	.8346	.9170	1.3170	1.9290
RP50/A	.3742	.5211	.5871	.6649	.6699	.7060	.7883	.8205	.8997	.9584	1.0685	1.5101	2.1687
RP100/A	.4169	.5872	.6608	.7240	.7497	.7956	.8901	.9280	1.0124	1.0746	1.1994	1.7000	2.4015
RP1000/A	.5537	.8016	.8981	.9778	1.0035	1.0782	1.2267	1.2764	1.3759	1.4577	1.6214	2.3154	3.1426
RP10000/A	.6850	1.0110	1.1287	1.2224	1.2469	1.3470	1.5554	1.6167	1.7290	1.8298	2.0313	2.9168	3.8636
PMP/A	1.3414	1.9010	2.1876	2.4376	2.5555	2.6915	2.9536	3.0642	3.3500	3.5381	3.9134	5.4735	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB TIA 7976 30	STATION NAME SANTA YNEZ FIRE STATION	ELEV 600	SEC	TMP	RNG LOT	8WM	LATITUDE 34.617	LONGITUDE 120.100	COUNTY CODE 42
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MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS									
RETURN PERIOD IN YEARS	10	20	30	50	100	300	W YR		
2	1.88	2.22	2.51	2.93	3.67	5.06	11.71		
5	2.80	3.48	3.98	4.68	5.63	8.14	19.16		
10	3.41	4.35	4.98	5.84	6.95	10.20	24.30		
20	3.99	5.19	5.94	6.94	8.28	12.14	29.24		
25	4.17	5.43	6.24	7.29	8.69	12.78	30.60		
40	4.53	6.01	6.86	8.00	9.85	14.01	34.05		
50	4.72	6.24	7.16	8.34	10.23	14.60	35.58		
100	5.26	7.06	8.05	9.30	11.47	16.40	40.20		
200	5.79	7.84	8.94	10.38	12.66	18.17	44.91		
1000	6.99	9.64	10.93	12.84	15.35	22.19	55.51		
10000	8.06	12.15	13.76	15.80	19.07	27.77	70.38		
PMP	16.94	22.56	26.66	31.52	37.09	55.49	133.65		
MEAN	2.005	2.550	2.863	3.326	4.123	5.756	13.631		
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000		
CALCULATED SKEW	1.301	1.691	1.451	1.100	1.797	1.299	1.577		
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500		
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500		
KURTOSIS	4.683	6.818	6.191	3.706	6.683	4.461	4.723		
N	21	21	21	21	21	21	21		
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969		
RECORD MAXIMUM	4.140	5.720	6.250	6.520	10.800	13.690	27.090		
NORMALIZED MAX	2.122	2.744	2.821	2.117	3.030	2.593	2.347		
CALC. COEF. VAR	.468	.453	.479	.434	.534	.545	.421		
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587		
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587		
MEAN/A	.1529	.1870	.2101	.2440	.3026	.4223	1.0000		
RP10/A	.2502	.3195	.3656	.4286	.5318	.7480	1.7826		
RP25/A	.3061	.4002	.4577	.5347	.6596	.9351	2.2596		
RP50/A	.3466	.4595	.5249	.6117	.7517	1.0709	2.6103		
RP100/A	.3802	.5178	.5908	.6867	.8411	1.2033	2.9549		
RP1000/A	.5129	.7069	.8030	.9272	1.1259	1.6277	4.0721		
RP10000/A	.6353	.8915	1.0092	1.1594	1.3991	2.0373	5.1635		
PMP/A	1.2426	1.6769	1.9558	2.3121	2.8674	4.0709	9.8090		

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB TIS 1548 1	STATION NAME CARPINTERIA HS 333	ELEV 10	SEC	TMP	RNG LOT	8WM	LATITUDE 34.393	LONGITUDE 119.520	COUNTY CODE 42
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MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.64	3.05	3.34	3.57	3.72	3.93	4.27	4.62	5.26	5.60	6.42	8.60	14.63
5	3.94	4.77	5.31	5.70	5.92	6.32	6.99	7.49	8.35	8.82	9.97	13.34	21.25
10	4.81	5.86	6.64	7.12	7.35	7.92	8.87	9.47	10.45	11.01	12.37	16.62	25.39
20	5.62	7.11	7.91	8.46	8.70	9.43	10.67	11.38	12.45	13.09	14.66	19.76	29.64
25	5.88	7.47	8.31	8.89	9.12	9.90	11.24	11.98	13.08	13.74	15.39	20.76	30.91
40	6.41	8.22	9.14	9.76	9.99	10.88	12.43	13.23	14.39	15.10	16.88	22.63	33.53
50	6.66	8.58	9.34	10.16	10.39	11.34	12.99	13.82	15.00	15.74	17.99	23.80	34.75
100	7.42	9.67	10.73	11.41	11.63	12.74	14.70	15.63	16.88	17.70	19.74	26.80	38.48
200	8.17	10.74	11.91	12.64	12.84	14.11	16.39	17.42	18.73	19.62	21.66	29.75	42.13
1000	9.86	13.19	14.89	15.41	15.57	17.23	20.26	21.50	22.94	24.01	26.49	36.90	50.36
10000	12.21	16.64	18.33	19.27	19.34	21.57	25.69	27.23	28.63	30.13	33.43	45.97	61.75
PMP	23.07	31.30	35.52	38.42	39.65	43.10	48.78	51.61	55.87	58.27	64.41	86.27	122.98
MEAN	2.938	3.492	3.818	4.055	4.184	4.470	4.975	5.342	6.010	6.362	7.282	9.821	16.024
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.450	1.432	1.156	1.131	1.203	1.631	1.393	1.469	1.470	1.507	1.428	1.135	1.504
REGIONAL SKEW	1.308	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.300	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.300	1.200
KURTOSIS	3.061	4.877	4.062	4.031	4.661	5.983	5.131	5.023	5.533	5.769	5.038	3.741	5.415
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1969	1969	1969	1962	1962	1969	1969	1969	1962	1962	1962	1969	1941
RECORD MAXIMUM	6.400	8.640	8.640	10.010	11.030	13.150	13.820	14.150	16.340	16.920	17.000	23.580	38.000
NORMALIZED MAX	2.342	2.842	2.877	2.877	2.877	3.042	2.876	3.042	2.903	2.903	2.740	2.648	2.082
CALC. COEF. VAR	.463	.556	.541	.557	.579	.632	.616	.570	.569	.569	.517	.529	.463
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1834	.2179	.2381	.2531	.2611	.2790	.3105	.3347	.3791	.3963	.4545	.6129	1.0000
RP10/A	.3000	.3722	.4145	.4445	.4589	.4872	.5535	.5912	.6823	.6968	.7721	1.0370	1.5965
RP25/A	.3676	.4602	.5108	.5445	.5691	.6178	.7016	.7476	.8164	.8376	.9295	1.2929	1.9929
RP50/A	.4157	.5353	.5951	.6343	.6686	.7075	.8105	.8625	.9363	.9623	1.0975	1.4855	2.1607
RP100/A	.4631	.6032	.6697	.7122	.7290	.7950	.9175	.9755	1.0536	1.1045	1.2320	1.6722	2.4619
RP1000/A	.6150	.8284	.9103	.9618	.9719	1.0753	1.2643	1.3417	1.4519	1.4902	1.6634	2.2776	3.1426
RP10000/A	.7617	1.0385	1.1440	1.2024	1.2072	1.3460	1.6032	1.6995	1.7904	1.8906	2.0868	2.6690	3.8538
PMP/A	1.4900	1.9534	2.2170	2.3978	2.4741	2.6899	3.0443	3.2210	3.4863	3.6364	4.0196	5.3842	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 13 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
T15 1558 0	CASITAS OAH	400	06	03N	23W		5	34.367	119.333	56

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	W YR
2	2.91	3.42	3.72	16.10
5	4.34	5.36	5.92	23.44
10	5.29	6.70	7.41	28.34
20	6.19	7.98	8.83	32.97
25	6.47	8.39	9.27	34.42
40	7.05	9.23	10.20	37.43
50	7.33	9.63	10.64	38.84
100	8.16	10.85	11.97	43.14
200	8.98	12.06	13.26	47.36
1000	10.84	14.82	16.27	56.93
10000	13.43	18.69	20.45	70.24
PHP	26.27	38.15	39.63	136.31
MEAN	3.233	3.920	4.256	17.760
CLOCK MR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.506	.944	1.133	.990
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300
KURTOSIS	3.266	3.522	4.229	3.460
N	23	23	23	23
RECORD YEAR	1969	1969	1969	1969
RECORD MAXIMUM	5.350	7.860	9.740	36.150
NORMALIZED MAX	1.736	2.004	2.332	2.375
CALC. COEF. VAR	.377	.501	.552	.436
REGION. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445
MEAN/A	.1820	.2207	.2397	1.0000
RP10/A	.2970	.3770	.4171	1.5959
RP25/A	.3643	.4723	.5221	1.9382
RP50/A	.4126	.5423	.5989	2.1866
RP100/A	.4597	.6111	.6740	2.4289
RP1000/A	.6105	.8342	.9161	3.2052
RP10000/A	.7562	1.0521	1.1513	3.9547
PHP/A	1.4791	1.9789	2.2312	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
T15 5612 30	MIGUELITO CANYON	1080						34.572	120.495	42

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	W YR
2	2.82	3.25	3.63	18.17
5	4.20	5.09	5.77	26.46
10	5.12	6.36	7.22	32.00
20	5.99	7.80	8.61	37.22
25	6.26	7.97	9.04	38.86
40	6.83	8.77	9.95	42.25
50	7.09	9.15	10.37	43.84
100	7.90	10.31	11.67	48.70
200	8.69	11.46	12.95	53.46
1000	10.49	14.08	15.86	64.26
10000	13.00	17.78	19.94	79.29
PHP	28.42	33.39	36.64	153.87
MEAN	3.129	3.725	4.150	20.049
CLOCK MR. COR.	1.140	1.070	1.040	1.000
CALCULATED SKEW	.874	1.614	1.265	.992
REGIONAL SKEW	1.300	1.500	1.400	1.300
SKEW USED	1.300	1.500	1.400	1.300
KURTOSIS	4.740	6.314	3.720	3.530
N	24	24	24	23
RECORD YEAR	1956	1956	1956	1958
RECORD MAXIMUM	5.600	8.330	8.940	37.300
NORMALIZED MAX	2.189	2.623	2.218	2.267
CALC. COEF. VAR	.361	.438	.520	.385
REGION. COEF. VAR	.475	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445
MEAN/A	.1561	.1858	.2070	1.0000
RP10/A	.2553	.3173	.3603	1.5959
RP25/A	.3123	.3973	.4510	1.9382
RP50/A	.3537	.4564	.5173	2.1866
RP100/A	.3941	.5144	.5821	2.4289
RP1000/A	.5234	.7021	.7913	3.2052
RP10000/A	.6483	.8855	.9944	3.9547
PHP/A	1.2680	1.6656	1.9271	7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T15 5788 11	STATION NAME MONTECITO WCO 325		ELEV 380	SEC 200	TYP 08	RNG LOT 04N 26W	8MM L 5	LATITUDE 34.441	LONGITUDE 119.632	COUNTY CODE 42			
MAXIMUM PRECIPITATION FOR INDICATED D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.01	3.58	3.97	4.28	4.55	4.82	5.09	5.41	6.14	6.47	7.48	10.36	17.13
5	4.49	5.60	6.31	6.83	7.23	7.76	8.33	8.76	9.75	10.19	11.60	16.07	24.87
10	5.47	7.00	7.90	8.53	8.99	9.72	10.56	11.08	12.20	12.71	14.40	20.02	29.94
20	6.40	8.34	9.41	10.14	10.63	11.57	12.71	13.31	14.53	15.12	17.87	23.61	34.70
25	6.69	8.77	9.88	10.65	11.15	12.15	13.39	14.02	15.27	15.87	17.91	25.01	36.18
40	7.30	9.65	10.87	11.69	12.21	13.36	14.80	15.48	16.79	17.44	19.65	27.50	39.24
50	7.58	10.07	11.34	12.19	12.70	13.92	15.46	16.17	17.51	18.16	20.47	28.67	40.69
100	8.44	11.34	12.78	13.67	14.21	15.46	17.51	18.29	19.70	20.44	22.98	32.28	45.04
200	9.29	12.61	14.16	15.14	15.69	17.33	19.52	20.38	21.86	22.67	25.44	35.84	49.31
1000	11.22	15.49	17.34	18.46	19.03	21.15	24.12	25.15	26.77	27.73	31.06	43.97	58.94
10000	13.89	19.53	21.80	23.08	23.64	26.48	30.59	31.86	33.64	34.61	38.91	55.38	72.28
PMP	27.17	36.74	42.24	46.03	48.46	52.91	58.09	60.39	65.19	67.30	74.97	103.93	143.95
MEAN	3.344	4.098	4.537	4.858	5.114	5.488	5.924	6.274	7.013	7.372	8.476	11.831	18.755
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.889	2.016	1.581	1.446	1.286	1.576	1.864	1.886	1.849	1.773	1.659	1.327	1.254
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	0.208	0.761	6.130	5.039	4.613	5.671	7.219	7.476	7.127	6.729	6.153	4.670	4.589
RECORD YEAR	44	44	44	44	44	44	44	44	44	44	44	44	44
RECORD MAXIMUM	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	12.340	12.340	13.040	13.100	13.470	14.050	10.180	19.740	20.070	21.170	23.230	31.160	44.780
CALC. COEF. VAR	3.260	3.753	3.400	3.047	3.024	3.121	3.676	3.794	3.579	3.542	3.549	3.304	3.213
REGN. COEF. VAR	.449	.536	.550	.561	.540	.552	.563	.566	.552	.528	.491	.495	.432
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1703	.2185	.2419	.2590	.2727	.2926	.3159	.3345	.3739	.3930	.4519	.6308	1.0000
RP10/A	.2917	.3732	.4210	.4550	.4792	.5183	.5631	.5910	.6503	.6778	.7678	1.0673	1.9905
RP25/A	.3569	.4675	.5270	.5676	.5943	.6480	.7137	.7473	.8139	.8463	.9548	1.3333	1.9290
RP50/A	.4041	.5366	.6045	.6493	.6773	.7421	.8245	.8622	.9334	.9694	1.0914	1.5289	2.1687
RP100/A	.4502	.6049	.6863	.7290	.7579	.8330	.9751	1.0504	1.1090	1.1251	1.2251	1.7211	2.4615
RP1000/A	.5980	.8257	.9247	.9843	1.0145	1.1279	1.2862	1.3411	1.4275	1.4765	1.6561	2.3441	3.1426
RP10000/A	.7406	1.0414	1.1621	1.2308	1.2606	1.4110	1.6309	1.6988	1.7939	1.8559	2.0748	2.9528	3.8536
PMP/A	1.4487	1.9588	2.2520	2.4544	2.5837	2.8210	3.0970	3.2196	3.4758	3.5865	3.9471	5.5415	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T15 7859 50	STATION NAME SAN MARCOS PASS TENNEY	ELEV 3430	SEC 22	TMP 05N	RNG LOT 26W	8MM 5	LATITUDE 34.800	LONGITUDE 119.617	COUNTY CODE 42
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS									
RETURN PERIOD IN YEARS	10	20	30	50	100	300	W YR		
2	4.79	5.83	6.33	7.21	8.67	11.45	24.96		
5	7.14	9.12	10.05	11.50	13.78	16.47	36.56		
10	8.07	11.40	12.58	14.37	17.13	23.14	44.56		
20	10.19	13.59	14.99	17.08	20.27	27.55	52.24		
25	10.65	14.28	15.75	17.93	21.25	28.93	54.67		
40	11.61	15.72	17.33	19.68	23.27	31.79	59.72		
50	12.06	16.46	18.07	20.51	24.21	33.13	62.10		
100	13.46	18.48	20.33	23.02	27.09	37.22	69.41		
200	14.79	20.54	22.56	25.40	29.91	41.24	76.62		
1000	17.05	25.23	27.64	31.09	36.27	50.35	83.09		
10000	22.11	31.82	34.74	36.87	45.09	63.02	110.27		
PMP	43.24	59.85	67.32	77.51	92.36	125.93	214.62		
MEAN	5.322	6.676	7.230	8.181	9.748	13.063	27.964		
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000		
CALCULATED SKEW	1.534	1.359	1.292	1.174	2.068	1.666	1.496		
REGIONAL SKEW	1.300	1.600	1.400	1.300	1.200	1.300	1.800		
SKEW USED	1.300	1.600	1.400	1.300	1.200	1.300	1.500		
KURTOSIS	6.892	4.933	4.217	3.528	6.167	7.223	5.178		
RECORD YEAR	1943	1943	1943	1943	1969	1969	1969		
RECORD MAXIMUM	11.820	16.670	17.390	20.450	35.080	40.550	64.630		
NORMALIZED MAX	2.775	2.667	2.426	2.362	3.393	3.476	3.074		
CALC. COEF. VAR	.440	.557	.576	.630	.723	.805			
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.445		
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.445		
MEAN/A	.1903	.2388	.2586	.2925	.3486	.4671	1.0000		
RP10/A	.3114	.4078	.4500	.6139	.8126	.8275	1.5933		
RP25/A	.3809	.5108	.6033	.8410	.7597	1.0344	1.9564		
RP50/A	.4310	.5806	.6401	.7333	.8658	1.1847	2.2207		
RP100/A	.4806	.6610	.7272	.8233	.9689	1.3312	2.4820		
RP1000/A	.6303	.9022	.9884	1.1118	1.2968	1.8006	3.3289		
RP10000/A	.7906	1.1380	1.2482	1.3900	1.6115	2.2838	4.1683		
PMP/A	1.8464	2.1404	2.4072	2.7719	3.3028	4.8933	6.6750		

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 18 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB T15 7859 65	STATION NAME SAN MARCOS PASS TROUT CLUB	ELEV 1200	SEC 27	TWP 05N	RNG LOT 26W	BWM 5	LATITUDE 34.483	LONGITUDE 119.600	COUNTY CODE 42
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MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	W YR
2	3.78	4.69	5.45	22.47
5	5.64	7.35	8.65	32.72
10	6.88	9.19	10.83	39.86
20	6.05	10.95	12.90	46.02
25	6.41	11.51	13.56	48.04
40	9.17	12.67	14.91	52.24
50	9.53	13.21	15.35	54.20
100	11.50	14.49	17.50	60.21
200	11.68	16.54	19.42	66.10
1000	14.10	20.33	23.79	79.45
10000	17.46	25.84	29.89	98.03
PMP	34.16	46.22	57.93	190.24

MEAN	4.204	5.379	6.223	24.787
CLOCK HR. COR.	1.034	1.070	1.040	1.180
CALCULATED SKEW	1.034	1.272	1.076	1.184
REGIONAL SKEW	1.300	1.500	1.400	1.300
USED COEF. VAR	1.300	1.500	1.400	1.300

KURTOSIS	8.358	9.140	4.686	3.434
N	21	21	21	21
RECORD YEAR	1969	1969	1969	1969
RECORD MAXIMUM	9.500	11.460	13.160	82.140
NORMALIZED MAX	2.054	2.442	2.160	2.343
CALC. COEF. VAR	.475	.463	.516	.471
REGION. COEF. VAR	.423	.531	.554	.445
USED COEF. VAR	.475	.531	.554	.445

MEAN/A	.1696	.2170	.2510	1.0000
RP10/A	.2775	.3706	.4369	1.5959
RP25/A	.3394	.4642	.5470	1.9362
RP50/A	.3844	.5331	.6273	2.1866
RP100/A	.4293	.6007	.7060	2.4289
RP1000/A	.5688	.8200	.9597	3.2052
RP10000/A	.7045	1.0342	1.2060	3.9847
PMP/A	1.3760	1.9453	2.3372	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB T15 7962 0	STATION NAME SANTA BARBARA	ELEV 404	SEC 100	TWP 04N	RNG LOT 27W	BWM 5	LATITUDE 34.417	LONGITUDE 119.760	COUNTY CODE 42
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MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.87	3.43	3.81	3.97	4.27	4.44	4.65	5.07	5.73	6.14	7.52	9.94	16.33
5	4.20	5.37	6.05	6.34	6.78	7.13	7.61	8.22	9.09	9.67	11.66	15.43	23.71
10	5.22	6.71	7.58	7.91	8.43	8.95	9.65	10.40	11.38	12.07	14.47	19.21	28.54
20	6.10	8.00	9.03	9.40	9.97	10.65	11.61	12.49	13.56	14.35	17.16	22.85	33.07
25	6.38	8.41	9.48	9.87	10.45	11.19	12.23	13.15	14.24	15.07	18.00	24.00	34.49
40	6.96	9.25	10.43	10.84	11.44	12.30	13.53	14.53	15.67	16.56	19.75	26.40	37.41
50	7.23	9.65	10.86	11.29	11.91	12.81	14.13	15.18	16.33	17.26	20.57	27.52	36.77
100	8.05	10.68	12.24	12.68	13.33	14.40	16.06	17.17	18.38	19.41	23.10	30.98	42.94
200	8.86	12.09	13.58	14.04	14.71	15.95	17.84	19.13	20.39	21.52	25.58	34.40	47.06
1000	10.70	14.05	16.64	17.12	17.64	19.47	22.05	23.61	24.98	26.33	31.22	42.20	56.19
10000	13.25	18.73	20.91	21.41	22.16	24.38	27.96	29.91	31.39	33.05	39.11	53.16	68.96
PMP	25.91	35.22	40.52	42.69	45.43	48.71	53.09	56.70	60.82	63.90	75.35	99.76	137.22

MEAN	3.189	3.929	4.353	4.505	4.794	5.053	5.415	5.882	6.543	6.999	6.519	11.356	17.879
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.294	1.093	1.077	1.095	1.081	1.309	1.224	1.011	1.088	1.122	1.242	1.131	1.136
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
USED COEF. VAR	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200

KURTOSIS	4.854	4.244	3.994	4.121	4.007	4.959	4.746	3.921	4.532	4.366	3.996	3.842	4.386
N	78	78	78	78	78	77	77	78	75	75	78	78	78
RECORD YEAR	1914	1943	1943	1943	1962	1969	1969	1969	1962	1962	1969	1938	1941
RECORD MAXIMUM	6.950	9.080	10.910	10.910	11.310	13.230	14.260	14.270	17.270	17.330	20.310	27.810	45.250
NORMALIZED MAX	2.305	3.038	3.236	3.108	2.834	3.327	3.414	2.984	3.447	3.098	2.762	2.906	3.536
CALC. COEF. VAR	.422	.431	.465	.457	.466	.486	.479	.476	.477	.498	.499	.499	.433
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.448
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445

MEAN/A	.1764	.2197	.2435	.2520	.2682	.2826	.3028	.3290	.3660	.3914	.4765	.6352	1.0000
RP10/A	.2918	.3753	.4237	.4426	.4713	.5006	.5399	.5817	.6365	.6750	.8096	1.0747	1.8965
RP25/A	.3570	.4701	.5224	.5428	.5844	.6258	.6843	.7387	.7966	.8429	1.0067	1.3425	2.1999
RP50/A	.4043	.5398	.6084	.6316	.6601	.7167	.7795	.8489	.9135	.9655	1.1508	1.5394	2.1607
RP100/A	.4504	.6003	.6847	.7091	.7453	.8003	.8649	.9401	1.0260	1.0855	1.2910	1.7330	2.4015
RP1000/A	.5962	.8304	.9307	.9578	.9977	1.0692	1.2332	1.3208	1.3971	1.4724	1.7462	2.3128	3.1428
RP10000/A	.7409	1.0474	1.1896	1.1973	1.2397	1.3634	1.5637	1.6731	1.7557	1.8463	2.1877	2.9732	3.8836
PMP/A	1.4442	1.9700	2.2666	2.3875	2.5468	2.7243	2.9694	3.1716	3.4017	3.5739	4.2147	5.5798	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 715 8415 0	STATION NAME SOUTH PORTAL 231	ELEV 392	SEC 1950	TMP 33	RNG LOT 05N 07W	8MM 5	LATITUDE 34+457	LONGITUDE 119-700	COUNTY CODE 42				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.06	4.81	5.45	5.82	6.29	6.71	7.18	7.55	8.61	9.00	10.74	14.65	24.44
5	6.05	7.53	8.86	9.29	10.00	10.88	11.74	12.25	13.87	14.17	16.87	23.05	35.49
10	7.37	9.41	10.83	11.80	12.43	13.52	14.49	15.49	17.11	17.68	20.69	28.71	42.73
20	8.63	11.22	12.91	13.79	14.71	16.10	17.92	18.61	20.38	21.02	24.53	34.15	49.52
25	9.02	11.79	13.56	14.47	15.42	16.90	18.88	19.56	21.41	22.07	25.73	35.87	51.63
40	9.83	12.98	14.92	15.89	16.89	18.37	20.37	21.64	23.55	24.26	28.24	39.45	56.05
50	10.21	13.53	15.55	16.56	17.57	19.10	21.65	22.61	24.56	25.28	29.41	41.13	58.05
100	11.38	15.25	17.30	18.59	19.65	21.75	24.68	25.57	27.64	28.42	33.02	46.30	64.28
200	12.52	16.95	19.42	20.98	21.71	24.10	27.52	28.49	30.67	31.52	36.96	51.40	70.37
1000	15.11	20.82	23.79	25.10	25.32	29.42	34.17	37.58	37.98	38.58	44.43	63.08	84.12
10000	18.72	26.26	29.90	31.38	32.70	36.83	43.13	44.56	47.20	48.40	55.92	79.43	103.15
PMP	36.61	49.39	57.95	62.58	67.03	73.58	81.90	84.46	91.45	93.58	107.72	149.07	205.44
MEAN	4.506	5.509	6.224	6.605	7.074	7.633	8.353	8.762	9.839	10.250	12.179	16.969	26.787
CLOCK HR. COR.	1.140	1.070	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.661	2.255	1.716	1.591	1.342	1.697	2.240	2.148	1.950	2.133	1.743	1.424	1.212
REGIONAL SKEW	1.309	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.309	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	6.803	8.822	6.115	5.028	4.255	5.926	9.384	8.814	7.762	8.772	6.811	5.405	4.016
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	10.820	10.890	17.710	18.060	18.280	23.880	31.710	31.710	33.130	35.610	36.440	47.770	50.520
NORMALIZED MAX	2.679	3.277	3.003	2.782	2.494	3.214	3.932	3.847	3.685	3.831	3.591	3.348	2.653
CALC. COEF. VAR	.523	.629	.615	.624	.635	.662	.711	.681	.646	.620	.555	.542	.447
REG. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	1.683	2.058	2.325	2.468	2.643	2.852	3.121	3.273	3.676	3.829	4.550	6.340	1.0000
RP10/A	2.754	3.315	3.667	3.934	4.164	4.501	5.053	5.167	5.933	6.464	7.731	10.726	1.5965
RP25/A	3.369	4.424	5.006	5.407	5.740	6.138	7.052	7.319	8.000	8.245	9.613	13.360	1.9290
RP50/A	3.816	5.058	5.811	6.055	6.564	7.232	8.146	8.446	9.175	9.445	1.0988	1.5355	2.1087
RP100/A	4.251	5.698	6.539	6.944	7.346	8.126	9.221	9.553	1.0325	1.0619	1.2335	1.7297	2.4015
RP1000/A	5.646	7.776	8.889	9.376	9.932	1.0932	1.2708	1.3141	1.4032	1.4404	1.6874	2.3559	3.1428
RP10000/A	6.993	9.610	1.1171	1.1725	1.2218	1.3758	1.6114	1.6842	1.7633	1.8001	2.0890	2.9676	3.8536
PMP/A	1.3678	1.8452	2.1648	2.3380	2.5041	2.7491	3.0598	3.1555	3.4615	3.4962	4.0245	5.5893	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U02 1558 12			STATION NAME CASITAS RANCH 4		ELEV 524	SEC 400	TMP 06	RNG LOT 03N 23W	8MM 0 5	LATITUDE 34-369	LONGITUDE 119-337	COUNTY CODE 56	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.74	4.50	5.03	5.46	5.83	6.10	6.56	6.95	7.83	8.36	9.69	13.22	20.50
5	5.56	7.02	7.96	8.68	9.22	9.77	10.80	11.13	12.28	13.00	14.80	20.22	29.57
10	6.75	8.73	9.92	10.79	11.40	12.16	13.25	13.87	15.14	15.99	18.03	24.73	35.31
20	7.87	10.36	11.75	12.77	13.43	14.44	15.72	16.43	17.80	18.76	21.08	28.91	40.59
25	8.22	10.88	12.34	13.38	14.08	15.14	16.50	17.24	18.93	19.62	21.92	30.21	42.22
40	8.94	11.94	13.54	14.66	14.37	16.59	18.09	18.89	19.03	20.05	23.61	30.85	45.58
50	9.27	12.44	14.10	15.25	15.97	17.27	18.84	19.86	21.12	22.23	24.69	34.14	47.14
100	10.30	13.98	15.92	17.07	17.80	19.34	21.12	22.02	23.53	24.75	27.36	37.84	51.87
200	11.30	15.49	17.51	18.84	19.60	21.37	23.34	24.33	25.88	27.20	29.94	41.84	56.46
1000	13.56	18.92	21.32	22.85	23.62	25.94	28.36	29.53	31.16	32.71	35.72	49.95	66.71
10000	16.09	23.72	26.64	28.39	29.16	32.26	35.32	36.73	38.43	40.29	43.62	61.38	80.75
PMP	33.52	45.78	53.01	56.19	61.48	66.26	72.68	75.44	80.81	84.53	93.76	128.09	169.75
MEAN	4.126	5.106	5.694	6.141	6.489	6.874	7.413	7.826	8.694	9.258	10.600	14.580	22.116
CLOCK HR. COR.	1.140	1.070	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.335	1.953	2.040	1.912	1.884	1.773	2.007	1.971	1.816	1.741	1.473	1.329	1.120
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	6.590	7.690	8.248	7.045	6.329	6.173	7.335	7.178	6.539	6.432	5.341	4.656	3.603
N	42	42	42	42	42	42	42	42	42	42	42	42	43
RECORD YEAR	1943	1943	1943	1943	1943	1943	1969	1969	1962	1969	1969	1969	1941
RECORD MAXIMUM	10.250	15.270	18.270	18.930	18.930	19.730	23.880	24.465	25.430	27.010	29.250	39.550	48.020
NORMALIZED MAX	3.029	3.512	3.668	3.287	3.147	2.914	3.437	3.397	3.197	3.351	3.201	3.201	2.600
CALC. COEF. VAR	.490	.567	.602	.634	.609	.642	.646	.626	.602	.601	.550	.535	.450
REG. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	1.869	2.309	2.574	2.777	2.934	3.108	3.352	3.538	3.931	4.186	4.793	6.592	1.0000
RP10/A	3.053	3.947	4.484	4.877	5.156	5.507	5.989	6.270	6.848	7.226	8.152	11.180	1.5965
RP25/A	3.715	4.917	5.581	6.051	6.358	6.845	7.459	7.793	8.621	8.872	9.913	13.660	1.9090
RP50/A	4.192	5.625	6.377	6.697	7.216	7.809	8.518	8.891	9.549	1.0050	1.1164	1.5436	2.1312
RP100/A	4.655	6.319	7.153	7.717	8.050	8.695	9.508	9.957	1.0640	1.108	1.2369	1.7153	2.4015
RP1000/A	6.131	8.635	9.841	1.0330	1.0860	1.1727	1.2824	1.3351	1.4400	1.4789	1.6950	2.5262	3.0163
RP10000/A	7.546	1.0726	1.2043	1.2838	1.3165	1.4086	1.5967	1.6607	1.7375	1.8217	1.9724	2.7733	3.6508
PMP/A	1.5154	2.0697	2.3966	2.6368	2.7797	2.9958	3.2862	3.4108	3.6537	3.8217	4.2390	5.7913	7.6750

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U02 2399 0	STATION NAME DENNISON RANCH 64	ELEV 540	SEC 1250	TWP 17	RNG LOT 04N 22W A	BM S	LATITUDE 34.422	LONGITUDE 119.196	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.50	4.38	4.96	5.30	5.72	5.93	6.21	6.71	7.60	8.08	9.50	12.67	19.62
5	5.20	6.64	7.85	8.42	9.05	9.50	10.02	10.70	11.92	12.57	14.51	19.37	26.30
10	6.31	8.51	9.78	10.46	11.19	11.84	12.52	13.41	14.70	15.46	17.97	23.69	32.79
20	7.35	10.10	11.50	12.37	13.18	14.03	14.87	15.89	17.28	18.15	20.59	27.70	38.89
25	7.68	10.60	12.17	12.97	13.80	14.71	15.60	16.64	18.08	18.98	21.49	28.95	40.41
40	8.35	11.64	13.35	14.21	15.11	16.13	17.11	18.26	19.47	19.39	23.34	29.56	43.62
50	8.59	12.12	13.94	14.78	15.63	16.61	17.61	18.84	20.16	21.02	24.90	32.71	45.10
100	9.62	13.62	15.60	16.54	17.48	18.60	19.96	21.29	22.84	23.94	26.81	36.35	49.64
200	10.50	15.09	17.26	18.26	19.24	20.77	22.07	23.52	25.13	26.31	29.35	39.89	54.03
1000	12.67	18.44	21.02	22.14	23.19	25.21	26.82	28.55	30.25	31.64	35.01	47.85	63.85
10000	15.60	23.12	27.52	29.63	31.36	33.39	35.70	37.30	38.98	42.76	50.81	77.28	101.00
PMP	31.32	44.61	52.25	56.40	60.35	64.40	68.71	72.93	78.44	81.76	91.90	122.72	162.46
MEAN	3.855	4.976	5.613	5.992	6.369	6.688	7.008	7.505	8.439	8.956	10.390	13.969	21.106
CLOCK HR. COR.	1.140	1.070	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.243	1.395	1.256	1.101	1.027	1.046	1.184	1.304	1.193	1.010	1.247	1.000	.874
REGIONAL SKEW	1.260	1.400	1.360	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.260	1.400	1.360	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.507	4.767	4.186	3.559	3.461	3.559	4.267	4.551	4.084	3.491	4.228	4.589	3.270
N	67	68	69	69	69	69	69	69	70	70	70	70	70
RECORD YEAR	1914	1914	1918	1918	1918	1969	1969	1969	1969	1969	1914	1969	1914
RECORD MAXIMUM	8,920	12,920	14,500	14,500	15,760	17,450	20,850	22,350	23,560	23,790	27,900	40,170	46,260
NORMALIZED MAX	2.732	2.861	2.826	2.559	2.637	2.852	3.396	3.310	3.150	2.958	2.933	3.353	2.638
CALC. COEF. VAR	.481	.539	.508	.561	.569	.568	.582	.590	.568	.560	.573	.559	.449
REGION. COEF. VAR	.475	.531	.554	.568	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1821	.2351	.2651	.2812	.3009	.3156	.3311	.3574	.3987	.4231	.4908	.6599	1.0000
RP10/A	.2989	.4019	.4618	.4941	.5289	.5593	.5916	.6333	.6943	.7305	.8349	1.1192	1.5905
RP25/A	.3627	.5007	.5748	.6128	.6521	.6951	.7368	.7871	.8541	.8967	1.0192	1.3075	1.7070
RP50/A	.4493	.5720	.6508	.6904	.7403	.7930	.8415	.8966	.9680	1.0134	1.1434	1.4542	2.1312
RP100/A	.4545	.6434	.7368	.7815	.8250	.8801	.9431	1.0057	1.0792	1.1308	1.2607	1.7171	2.3450
RP1000/A	.5986	.8710	.9930	1.0461	1.0954	1.1909	1.2668	1.3405	1.4291	1.4947	1.6540	2.2606	3.0103
RP10000/A	.7367	1.0922	1.2405	1.2999	1.3523	1.4813	1.5773	1.6774	1.7623	1.8413	2.0280	2.7793	3.6508
PMP/A	1.4795	2.1674	2.4685	2.6642	2.8510	3.0423	3.2462	3.4452	3.7058	3.8626	4.3414	5.7975	7.0750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U02 4568 51	STATION NAME KINSTON RESERVOIR	ELEV 122	SEC 840	TWP 29	RNG LOT 03N 19W K	BM S	LATITUDE 34.315	LONGITUDE 118.867	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	3.24	3.71	4.14	4.43	4.67	4.90	5.12	5.51	6.26	6.65	7.57	10.30	16.18
5	4.63	5.81	6.59	7.07	7.41	7.80	8.38	8.94	9.94	10.47	11.74	15.98	23.49
10	5.89	7.26	8.23	8.93	9.21	9.67	10.42	11.31	12.43	13.05	14.57	19.91	28.29
20	6.89	8.66	9.81	10.49	10.90	11.75	12.78	13.58	14.81	15.53	17.27	23.68	32.78
25	7.20	9.10	10.30	11.01	11.43	12.34	13.47	14.30	15.56	16.31	18.12	24.87	34.18
40	7.85	10.02	11.33	12.09	12.55	13.56	14.89	15.80	17.11	17.92	19.88	27.36	37.07
50	8.15	10.45	11.82	12.59	13.02	14.13	15.56	16.50	17.84	18.68	20.71	28.52	38.43
100	9.09	11.77	13.30	14.14	14.57	15.88	17.61	18.67	20.08	21.00	23.25	32.11	42.55
200	10.00	13.08	14.76	15.66	16.09	17.59	19.64	20.80	22.28	23.29	25.75	35.65	46.58
1000	12.07	16.07	18.06	19.09	19.51	21.48	24.27	25.08	27.29	28.49	31.43	43.73	55.68
10000	14.95	20.27	22.72	23.87	24.24	26.89	30.77	32.53	34.29	35.76	39.38	55.09	68.28
PMP	29.23	38.13	44.02	47.61	49.68	53.72	58.43	61.66	66.45	69.15	75.86	103.38	135.99
MEAN	3.598	4.253	4.728	5.025	5.243	5.573	5.960	6.396	7.148	7.574	8.576	11.768	17.719
CLDCK MR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.052	1.560	1.304	1.336	1.332	1.288	1.465	1.330	1.510	1.372	1.291	1.666	.842
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.300	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.260	1.360	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	4.410	6.416	4.673	4.466	4.544	4.167	4.959	4.649	5.402	4.851	4.494	3.602	3.530
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1943	1943	1943	1962	1962	1962	1969	1969	1962	1962	1969	1969	1941
RECORD MAXIMUM	7,770	12,220	13,130	13,810	14,460	14,460	16,330	17,760	20,290	20,320	21,080	27,750	38,100
NORMALIZED MAX	3.210	3.210	2.989	2.621	2.767	2.710	2.787	2.749	2.933	2.785	2.710	2.679	2.428
CALC. COEF. VAR	.471	.584	.611	.661	.689	.668	.648	.627	.604	.588	.567	.507	.438
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.2031	.2400	.2669	.2836	.2959	.3145	.3363	.3610	.4034	.4275	.4840	.6641	1.0000
RP10/A	.3322	.4100	.4645	.4981	.5281	.5607	.5967	.6372	.7017	.7372	.8104	1.1577	1.5902
RP25/A	.4136	.5136	.5914	.6410	.6840	.7260	.7690	.8071	.8781	.9204	1.0226	1.4038	1.9299
RP50/A	.4602	.5697	.6669	.7108	.7350	.7976	.8700	.9313	1.0071	1.0543	1.1689	1.6097	2.1087
RP100/A	.5128	.6648	.7505	.7981	.8225	.8963	.9939	1.0534	1.1333	1.1854	1.3122	1.8121	2.4015
RP1000/A	.6810	.9071	1.0261	1.0776	1.1018	1.2123	1.3606	1.4491	1.5402	1.5738	1.7386	2.4451	3.1424
RP10000/A	.8435	1.1411	1.2920	1.3474	1.3681	1.5174	1.7387	1.8387	1.9354	2.0184	2.2223	3.0190	3.9536
PMP/A	1.6498	2.1519	2.4848	2.6869	2.8038	3.0321	3.2979	3.4798	3.7500	3.9028	4.2812	5.8345	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U02 5408 1		STATION NAME MATILIJAH OAM		ELEV 1040	SEC 1040	TWP 1040	RNO LOT 1040	BWM 1040	LATITUDE 34.484	LONGITUDE 119.307	COUNTY CODE 56		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.97	5.11	5.60	6.07	6.51	6.52	6.93	7.37	8.73	9.39	11.37	14.77	22.42
5	5.90	7.98	8.87	9.64	10.29	10.45	11.19	11.81	13.69	14.60	17.36	22.59	32.34
10	7.16	9.92	11.04	11.98	12.73	13.03	13.96	14.72	16.88	17.96	21.15	27.63	36.61
20	8.34	11.78	13.10	14.17	14.99	15.05	15.94	17.45	19.85	21.08	24.64	32.31	44.38
25	6.71	12.36	13.75	14.86	15.69	16.19	17.41	18.30	20.77	22.05	25.71	33.76	46.17
40	9.48	13.57	15.08	16.27	16.94	17.75	19.10	20.06	21.22	22.52	27.93	34.47	49.84
50	9.83	14.14	15.71	16.93	17.82	18.47	19.88	20.88	22.55	24.97	28.96	38.15	51.54
100	10.92	15.89	17.62	18.95	19.87	20.69	22.29	23.38	26.24	27.60	32.09	42.39	56.72
200	11.98	17.60	19.50	20.92	21.87	22.85	24.63	25.83	28.86	30.56	35.12	46.52	61.73
1000	14.38	21.51	23.75	25.36	26.36	27.74	29.93	31.35	34.75	36.75	41.90	55.81	72.95
10000	17.70	26.97	29.67	31.52	32.55	34.50	37.27	39.00	42.85	45.27	51.17	68.59	88.30
PMP	35.55	52.03	59.03	64.60	68.61	70.86	76.70	80.09	90.10	94.96	109.97	143.12	185.62
MEAN	4.375	5.804	6.341	6.818	7.241	7.351	7.823	8.308	9.694	10.401	12.433	16.291	24.185
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.057	1.389	1.428	1.259	1.145	1.177	1.032	1.056	1.778	1.739	1.933	1.947	1.742
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.290	5.714	5.380	4.207	4.071	4.452	3.752	3.735	2.810	2.841	3.448	3.487	2.874
RECORD YEAR	58	60	59	59	61	62	60	61	62	62	61	62	69
RECORD MAXIMUM	9.560	17.560	19.680	19.680	20.150	20.780	20.850	22.280	22.750	26.250	34.000	43.500	50.750
NORMALIZED MAX	2.595	3.536	3.602	3.028	3.062	3.264	3.036	3.060	2.445	2.766	3.125	3.144	2.566
CALC. COEF. VAR	.457	.573	.467	.623	.582	.580	.548	.550	.551	.551	.555	.531	.428
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1809	.2400	.2622	.2819	.2994	.3039	.3235	.3435	.4008	.4301	.5141	.6736	1.0900
RP10/A	.2961	.4103	.4567	.4954	.5263	.5386	.5780	.6088	.6980	.7426	.8744	1.1424	1.9565
RP25/A	.3803	.5111	.5686	.6144	.6489	.6694	.7198	.7566	.8587	.9116	1.0632	1.3958	1.9090
RP50/A	.4405	.5848	.6447	.7002	.7367	.7637	.8221	.8653	.9737	1.0326	1.1975	1.5757	2.1312
RP100/A	.4515	.6059	.6786	.7355	.7826	.8161	.8853	.9214	.9667	1.0850	1.1495	1.3267	1.7527
RP1000/A	.5946	.8892	.9820	1.0488	1.0900	1.1469	1.2377	1.2963	1.4367	1.5194	1.7323	2.3075	3.0163
RP10000/A	.7319	1.1150	1.2266	1.3032	1.3457	1.4266	1.5410	1.6124	1.7717	1.8717	2.1156	2.8358	3.6508
PMP/A	1.4697	2.1514	2.4409	2.6710	2.8369	2.9300	3.1715	3.3116	3.7255	3.9265	4.5468	5.9177	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U02 6399 0	STATION NAME OJAI	ELEV 750	SEC 12	TWP 04N	RNO LOT 23W C	BWM 22 S	LATITUDE 34.447	LONGITUDE 119.242	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.48	4.26	4.80	5.12	5.42	5.70	6.18	6.56	7.45	8.03	9.48	12.60	19.57
5	5.16	6.65	7.60	8.13	8.58	9.13	9.98	10.51	11.68	12.49	14.47	19.28	28.22
10	6.27	8.27	9.47	10.11	10.61	11.37	12.47	13.09	14.40	15.36	17.63	23.57	33.70
20	7.31	9.82	11.23	11.96	12.49	13.48	14.80	15.52	16.93	18.03	20.54	27.58	38.74
25	7.63	10.30	11.78	12.53	13.08	14.13	15.52	16.27	17.71	18.85	21.44	28.80	40.29
40	8.30	11.31	12.93	13.73	13.36	15.49	17.03	17.83	18.10	19.26	23.29	29.41	43.50
50	8.61	11.79	13.46	14.29	14.85	16.13	17.75	18.56	20.09	21.36	24.15	32.55	46.99
100	9.56	13.24	15.10	15.99	16.56	18.06	19.87	20.79	22.38	23.78	28.76	36.17	49.50
200	10.49	14.67	16.71	17.65	18.22	19.95	21.97	22.97	24.62	26.13	29.28	39.69	53.88
1000	12.59	17.92	20.35	21.40	21.97	24.22	26.69	27.88	29.64	31.43	34.93	47.61	63.67
10000	15.50	22.47	25.42	26.89	27.12	30.12	33.23	34.68	36.55	38.71	42.66	58.52	77.06
PMP	31.13	43.36	50.59	54.49	57.17	61.87	68.40	71.22	76.86	81.21	91.70	122.11	162.00
MEAN	3.831	4.837	5.434	5.751	6.034	6.418	6.976	7.388	8.268	8.895	10.367	13.899	21.108
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.401	1.329	1.306	1.201	1.088	1.385	1.770	1.653	1.572	1.666	1.523	1.696	1.306
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.718	4.717	4.478	3.833	3.445	4.617	6.581	6.038	6.135	6.034	5.900	3.865	3.865
RECORD YEAR	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD MAXIMUM	1938	1943	1943	1943	1962	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	7.900	12.390	14.300	14.300	14.570	10.170	23.400	23.690	25.470	27.600	29.380	40.910	47.230
CALC. COEF. VAR	2.124	2.716	2.722	2.422	2.276	2.662	3.150	3.277	3.417	3.687	3.991	3.209	2.366
REGION. COEF. VAR	.500	.575	.599	.614	.621	.640	.679	.666	.635	.622	.613	.605	.519
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1815	.2291	.2575	.2725	.2859	.3040	.3305	.3500	.3917	.4214	.4911	.6505	1.0000
RP10/A	.2971	.3918	.4485	.4786	.5025	.5388	.5905	.6203	.6822	.7277	.8354	1.1168	1.5965
RP25/A	.3816	.5088	.5692	.5928	.6195	.6656	.7355	.7709	.8392	.8932	1.0158	1.3645	1.9090
RP50/A	.4079	.5583	.6378	.6768	.7034	.7640	.8400	.8795	.9527	1.0118	1.1441	1.5419	2.1312
RP100/A	.4530	.6272	.7155	.7573	.7844	.8556	.9415	.9851	1.0604	1.1264	1.2675	1.7134	2.3450
RP1000/A	.5966	.8491	.9643	1.0137	1.0407	1.1473	1.2646	1.3208	1.4041	1.4869	1.6550	2.2557	3.0163
RP10000/A	.7343	1.0846	1.2045	1.2551	1.2849	1.4271	1.5745	1.6429	1.7315	1.8341	2.0213	2.7722	3.6508
PMP/A	1.4747	2.0543	2.3970	2.5816	2.7087	2.9310	3.2405	3.3742	3.6411	3.8475	4.3442	5.7849	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEFENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUR U02 6399 1	STATION NAME OJAI-MALLORY	ELEV 29	SEC 750	TWP 01	RNG LOT 04N 23W	BWM N	S O	LATITUDE 34.450	LONGITUDE 119.246	COUNTY CODE 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	3.04	3.71	4.22	4.62	5.00	5.16	5.43	5.76	6.53	7.00	8.20	10.83	16.76
5	4.54	5.82	6.70	7.37	7.95	8.30	8.89	9.34	10.37	11.02	12.72	16.89	24.34
10	5.53	7.27	8.39	9.21	9.88	10.40	11.27	11.82	12.98	13.75	15.79	20.92	29.31
20	6.47	8.67	9.99	10.94	11.69	12.38	13.57	14.19	15.46	16.34	18.71	24.89	33.96
25	6.77	9.11	10.50	11.49	12.26	13.00	14.29	14.95	16.24	17.16	19.63	26.14	35.41
40	7.38	10.03	11.55	12.61	13.42	14.29	15.86	16.51	17.86	18.86	21.54	28.66	38.44
50	7.67	10.46	12.04	13.14	13.97	14.89	16.51	17.24	18.62	19.66	22.44	29.97	39.81
100	8.54	11.78	13.55	14.75	15.63	16.73	18.69	19.50	20.96	22.10	25.19	33.74	44.09
200	9.40	13.09	15.04	16.34	17.25	18.54	20.84	21.74	23.26	24.51	27.90	37.46	48.27
1000	11.34	16.89	18.42	19.92	20.92	22.63	25.75	26.83	28.48	29.98	34.05	45.96	57.69
10000	14.05	20.49	23.15	24.91	26.00	28.33	32.66	33.90	35.79	37.64	42.66	57.89	70.75
PMP	27.48	38.16	44.86	49.68	53.28	56.60	62.01	64.43	69.35	72.77	82.19	108.64	140.90
MEAN	3.382	4.257	4.819	5.243	5.624	5.872	6.325	6.684	7.461	7.971	9.293	12.366	18.359
CLOCK HR. COR.	1.140	1.070	1.050	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.008	1.000	1.000
CALCULATED SKEW	1.785	1.924	1.135	1.030	0.892	0.864	1.003	1.044	1.083	1.100	1.188	1.382	1.700
REGIONAL SKEW	1.308	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
KURTOSIS	3.611	3.255	3.849	3.744	3.423	3.619	7.314	7.388	6.869	5.368	5.073	5.344	4.385
N	73	73	73	72	72	73	73	73	73	73	73	73	75
RECORD YEAR	1969	1907	1969	1962	1962	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.440	9.050	11.660	12.850	14.050	14.760	21.770	23.110	24.520	24.650	27.840	37.360	43.770
NORMALIZED MAX	2.688	2.335	2.599	2.638	2.705	2.822	4.325	4.309	4.203	3.895	3.748	3.907	3.268
CALC. COEF. VAR	+4.46	+4.82	+5.46	+5.50	+5.38	+5.36	+5.65	+5.66	+5.44	+5.37	+5.33	+5.17	+4.24
REGN. COEF. VAR	+4.75	+5.31	+5.54	+5.65	+5.65	+5.76	+5.87	+5.76	+5.53	+5.42	+5.23	+5.19	+4.45
USED COEF. VAR	+4.75	+5.31	+5.54	+5.65	+5.65	+5.76	+5.87	+5.76	+5.53	+5.42	+5.23	+5.19	+4.45

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUR U02 0095 1	STATION NAME SELBY SANTA ANA VLY 44	ELEV 660	SEC 13	TWP 04N	RNG 24W	BWM M	LATITUDE 34.425	LONGITUDE 119.354	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.98	4.48	4.93	5.35	5.58	5.87	6.25	6.66	7.51	7.98	9.36	12.81	20.11
5	5.92	6.99	7.80	8.51	8.83	9.41	10.10	10.67	11.78	12.41	14.29	19.60	29.01
10	7.19	8.69	9.71	10.57	10.93	11.72	12.62	13.30	14.52	15.26	17.41	23.97	34.64
20	8.38	10.32	11.52	12.51	12.87	13.89	14.98	15.76	17.07	17.91	20.28	28.02	39.81
25	8.75	10.83	12.09	13.12	13.47	14.57	15.72	16.52	17.87	18.73	21.17	29.26	41.42
40	9.51	11.89	13.26	14.36	13.77	15.97	17.24	18.11	18.26	19.13	22.99	29.90	44.71
50	9.67	12.39	13.81	14.95	15.29	16.62	17.95	18.85	20.26	21.22	23.84	33.49	46.24
100	10.96	13.91	15.50	16.73	17.06	18.61	20.12	21.11	22.58	23.62	26.41	36.77	50.68
200	12.03	15.42	17.15	18.46	18.77	20.56	22.24	23.32	24.83	25.96	28.91	40.36	55.38
1000	14.44	18.84	20.89	22.39	22.63	24.96	27.62	28.31	29.89	31.22	34.49	48.41	65.44
10000	17.77	23.62	26.09	27.82	27.94	31.05	33.64	35.22	36.86	38.46	42.12	59.50	79.20
PMP	35.68	45.58	51.92	57.02	58.90	63.76	69.24	72.33	77.52	80.68	90.32	124.18	166.51
MEAN	4.392	5.084	5.576	6.018	6.216	6.615	7.062	7.503	8.340	8.837	10.234	14.133	21.695
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.408	1.601	1.441	1.222	1.037	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
KURTOSIS	6.505	6.396	4.927	5.038	5.238	5.620	6.950	6.727	6.393	6.143	5.063	4.085	4.140
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1952	1943	1943	1962	1962	1969	1969	1969	1969	1969	1969	1969	1961
RECORD MAXIMUM	10.200	13.840	14.820	16.890	17.890	19.060	23.080	24.172	25.700	26.480	28.050	36.720	51.200
NORMALIZED MAX	2.000	3.222	2.808	3.000	3.203	3.023	3.520	3.543	3.464	3.475	3.249	3.083	2.934
CALC. COEF. VAR	+4.72	+5.35	+5.90	+6.02	+5.86	+6.22	+6.44	+6.27	+6.01	+5.74	+5.36	+5.18	+4.64
REGN. COEF. VAR	+4.75	+5.31	+5.54	+5.65	+5.65	+5.76	+5.87	+5.76	+5.53	+5.42	+5.23	+5.19	+4.45
USED COEF. VAR	+4.75	+5.31	+5.54	+5.65	+5.65	+5.76	+5.87	+5.76	+5.53	+5.42	+5.23	+5.19	+4.45
MEAN/A	.2024	.2343	.2570	.2774	.2865	.3049	.3255	.3458	.3844	.4073	.4717	.6514	1.0000
RP10/A	.3313	.4066	.4477	.4874	.5036	.5403	.5816	.6129	.6695	.7034	.8024	1.1048	1.9969
RP25/A	.4032	.4991	.5572	.6045	.6209	.6715	.7244	.7617	.8236	.8634	.9757	1.3498	1.9090
RP50/A	.4550	.5710	.6367	.6890	.7050	.7661	.8273	.8690	.9339	.9760	1.0989	1.5253	2.3132
RP100/A	.5053	.6414	.7143	.7707	.7862	.8580	.9273	.9732	1.0406	1.0888	1.2117	1.6950	2.9450
RP1000/A	.6654	.8683	.9627	1.0319	1.0431	1.1955	1.2955	1.3050	1.3779	1.4391	1.8896	2.2315	3.0103
RP10000/A	.9190	1.0887	1.2025	1.2823	1.2877	1.4310	1.5508	1.6232	1.6992	1.7728	1.9414	2.7425	3.6508
PMP/A	1.6447	2.1008	2.3930	2.6281	2.7146	2.9391	3.1916	3.3338	3.5732	3.7169	4.1725	5.7229	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U02 9285 0	STATION NAME VENTURA	ELEV 66	SEC 45	TWP 10	RNG LOT 734	BWM 7-93	LATITUDE 34+277	LONGITUDE 119+291	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.36	2.70	3.03	3.25	3.57	3.64	3.62	4.09	4.60	4.98	5.81	7.93	13.30
5	3.52	4.23	4.82	5.19	5.68	5.86	6.25	6.64	7.31	7.81	9.01	12.31	19.31
10	4.30	5.28	6.03	6.49	7.06	7.34	7.93	8.40	9.14	9.74	11.18	15.33	23.24
20	5.63	6.30	7.19	7.71	8.35	8.73	9.55	10.09	10.89	11.58	13.25	18.24	26.93
25	5.26	6.62	7.55	8.09	8.75	9.17	10.05	10.62	11.44	12.10	13.90	19.16	28.09
40	5.73	7.29	8.30	8.89	9.58	10.08	11.12	11.74	12.59	13.36	15.26	21.07	30.46
50	5.95	7.60	8.66	9.27	9.97	10.47	11.51	12.13	13.00	13.77	15.80	21.96	31.89
100	6.63	8.57	9.74	10.39	11.16	11.60	13.15	13.67	14.77	15.66	17.84	24.73	34.97
200	7.30	9.52	10.81	11.51	12.32	13.07	14.66	15.45	16.39	17.37	19.76	27.45	38.28
1000	8.61	11.69	13.24	14.03	14.94	15.96	18.12	19.07	20.07	21.24	24.12	33.68	45.76
10000	10.91	14.75	16.67	17.55	19.56	19.98	22.98	24.16	25.22	26.67	30.21	42.42	50.11
PMP	21.34	27.74	32.26	34.99	38.04	39.92	43.63	45.80	48.67	51.56	58.21	79.61	111.75
MEAN	2.627	3.094	3.465	3.693	4.015	4.141	4.450	4.751	5.258	5.648	6.581	9.062	14.540
CLOCK MR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	.968	1.213	1.014	.968	1.310	1.234	1.265	1.218	1.561	1.352	1.027	.842	.705
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.500	1.500	1.200
KURTOSIS	4.510	4.978	3.770	3.941	5.544	4.991	5.326	4.986	6.651	5.528	4.350	3.191	3.979
N	55	54	55	53	53	54	54	54	54	54	55	55	100
RECORD YEAR	1956	1943	1962	1962	1962	1962	1962	1962	1962	1962	1962	1961	1941
RECORD MAXIMUM	5.210	6.900	7.360	8.850	11.530	11.610	12.430	12.740	15.500	15.560	16.710	19.760	36.710
NORMALIZED MAX	2.553	2.858	2.420	2.945	3.567	3.418	3.453	3.389	3.873	3.635	3.395	2.511	3.351
CALC. COEF. VAR	.435	.430	.405	.474	.525	.526	.503	.503	.563	.543	.453	.470	.544
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1804	.2125	.2380	.2537	.2757	.2844	.3056	.3263	.3611	.3879	.4520	.6224	1.0000
RP10/A	.2952	.3630	.4142	.4456	.4846	.5038	.5448	.5769	.6280	.6689	.7680	1.0531	1.5955
RP25/A	.3611	.4547	.5185	.5555	.6010	.6299	.6966	.7297	.7860	.8352	.9550	1.3156	1.9270
RP50/A	.4089	.5221	.5946	.6358	.6849	.7213	.7977	.8420	.9014	.9567	1.0916	1.5086	2.1687
RP100/A	.4556	.5883	.6692	.7139	.7664	.8105	.9030	.9523	1.0144	1.0757	1.2253	1.6983	2.4015
RP1000/A	.6051	.8031	.9097	.9639	1.0259	1.0963	1.2445	1.3101	1.3786	1.4591	1.6564	2.3130	3.1426
RP10000/A	.7494	1.0129	1.1432	1.2053	1.2748	1.3723	1.5750	1.6595	1.7324	1.8316	2.0752	2.9137	3.8536
PMP/A	1.4658	1.9051	2.2154	2.4034	2.6127	2.7420	2.9965	3.1458	3.3560	3.5415	3.9797	5.4688	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U03 179 10	STATION NAME AMERICAN CRYSTAL 3		ELEV 523	SEC 60	TWP 10	RNG LOT 734	BWM 7-93	LATITUDE 34+205	LONGITUDE 119+068	COUNTY CODE 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.15	2.58	2.97	3.23	3.39	3.55	3.75	3.97	4.58	4.89	5.88	7.69	12.12
5	3.19	4.02	4.70	5.13	5.36	5.68	6.05	6.37	7.18	7.60	8.98	11.77	17.48
10	3.88	5.00	5.85	6.37	6.63	7.08	7.57	7.94	8.86	9.35	10.94	14.39	20.88
20	4.52	5.94	6.94	7.54	7.81	8.39	8.98	9.40	10.42	10.97	12.74	16.83	24.00
25	4.72	6.23	7.28	7.90	8.17	8.80	9.42	9.86	10.90	11.47	13.30	17.58	24.96
40	5.13	6.95	7.99	8.65	8.35	9.05	10.34	10.87	11.14	11.72	14.44	19.95	26.95
50	5.32	7.13	8.32	9.00	9.28	10.04	10.76	11.25	12.36	13.00	14.98	19.67	27.87
100	5.91	8.01	9.33	10.08	10.35	11.24	12.06	12.60	13.77	14.47	16.59	22.08	30.66
200	6.49	8.88	10.32	11.12	11.39	12.42	13.33	13.92	15.15	15.90	18.16	24.23	33.38
1000	7.79	10.65	12.58	13.49	13.73	15.06	16.20	16.90	18.24	19.12	21.66	29.07	39.44
10000	9.59	13.60	15.71	16.76	16.95	18.74	20.17	21.02	22.49	23.56	26.46	35.72	47.74
PMP	19.25	26.24	31.26	34.35	35.74	38.52	41.51	43.17	47.29	49.42	56.86	74.55	100.36
MEAN	2.369	2.927	3.358	3.625	3.772	3.996	4.234	4.478	5.088	5.413	6.429	8.466	13.076
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.867	.859	.868	.876	.820	.829	.899	.780	.719	.675	.670	.651	.964
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.195	3.503	4.074	3.609	3.585	3.415	3.465	3.116	2.798	2.650	3.532	2.691	5.026
N	67	68	67	67	68	68	68	68	68	68	68	68	68
RECORD YEAR	1956	1956	1956	1956	1962	1962	1969	1962	1962	1962	1918	1941	1941
RECORD MAXIMUM	4.500	6.500	8.500	8.800	8.400	9.100	9.690	9.960	11.470	11.690	13.590	17.750	33.430
NORMALIZED MAX	2.084	2.602	3.146	2.811	2.754	2.716	2.683	2.539	2.650	2.445	3.015	2.507	3.914
CALC. COEF. VAR	.432	.469	.487	.477	.465	.471	.480	.482	.473	.474	.473	.435	.398
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	.1812	.2239	.2568	.2772	.2885	.3056	.3238	.3424	.3691	.4140	.4917	.6689	1.0000
RP10/A	.2966	.3826	.4473	.4872	.5076	.5465	.5786	.6069	.6776	.7168	.8363	1.1010	1.5965
RP25/A	.3668	.4768	.5567	.6024	.6251	.6731	.7206	.7542	.8336	.8775	1.0169	1.3447	1.9090
RP50/A	.4072	.5455	.6361	.6886	.7097	.7679	.8230	.8605	.9452	.9939	1.1453	1.5195	2.1312
RP100/A	.4522	.6127	.7136	.7705	.7915	.8600	.9224	.9637	1.0532	1.1065	1.2689	1.6885	2.3450
RP1000/A	.6056	.8295	.9418	1.0314	1.0501	1.1531	1.2390	1.2922	1.3946	1.4626	1.6588	2.2230	3.0183
RP10000/A	.7331	1.0401	1.2014	1.2817	1.2964	1.4343	1.5426	1.6073	1.7198	1.8017	2.0234	2.7320	3.6508
PMP/A	1.4721	2.0070	2.3907	2.6268	2.7331	2.9459	3.1749	3.3012	3.6166	3.7796	4.3487	5.7010	7.6750

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
U03 506 11	BAROSALE YOUNG RANCH	400					34.365	118.945	56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.23	4.01	4.35	4.64	4.88	5.09	5.48	5.83	6.49	6.95	8.18	10.97	16.93
5	4.80	6.26	6.88	7.38	7.71	8.16	8.85	9.34	10.18	10.81	12.49	16.78	24.42
10	5.83	7.79	8.57	9.17	9.54	10.17	11.06	11.64	12.55	13.29	15.22	20.52	29.15
20	6.79	9.24	10.17	10.85	11.24	12.05	13.13	13.80	14.75	15.60	17.73	23.99	33.51
25	7.09	9.70	10.67	11.37	11.76	12.64	13.78	14.47	15.44	16.32	18.50	25.07	34.86
40	7.71	10.65	11.71	12.46	12.82	13.85	15.11	15.86	16.67	17.67	20.10	25.59	37.63
50	8.10	11.10	12.15	12.96	13.34	14.44	15.71	16.46	17.46	18.46	20.84	26.33	38.92
80	8.89	12.47	13.50	14.30	14.50	16.15	17.64	18.49	19.51	20.58	23.09	31.48	42.82
100	9.75	13.82	15.14	16.01	16.39	17.84	19.49	20.42	21.45	22.62	25.27	34.54	46.61
1000	11.70	16.88	18.44	19.41	19.76	21.65	23.69	24.79	25.83	27.20	30.14	41.44	55.08
10000	14.41	21.17	23.03	24.12	24.40	26.93	29.49	30.84	31.85	33.51	36.81	50.93	66.67
PMP	28.93	40.84	45.63	49.44	51.44	55.32	60.70	63.34	66.98	70.29	79.12	106.27	140.15
MEAN	3.561	4.556	4.923	5.218	5.428	5.739	6.191	6.570	7.206	7.699	8.946	12.097	18.261
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.400	1.394	1.311	1.277	1.174	1.311	1.467	1.472	1.435	1.233	.987	1.126	.953
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.739	5.948	5.270	4.696	4.473	4.858	5.343	5.308	5.080	4.516	3.829	4.248	3.340
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1943	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	8.380	12.170	13.630	13.630	13.730	14.460	17.480	18.26	20.070	20.330	21.770	29.390	39.580
NORMALIZED MAX	2.809	3.237	3.239	2.916	2.817	2.719	3.168	3.153	3.147	3.070	2.935	2.993	2.608
CALC. COEF. VAR	.482	.516	.546	.553	.543	.559	.576	.564	.567	.534	.488	.478	.448
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.576	.553	.542	.523	.519	.445
MEAN/A	1.950	2.495	2.696	2.857	2.973	3.143	3.390	3.598	3.946	4.216	4.899	6.625	1.0000
RP10/A	.3191	.4266	.4695	.5022	.5225	.5569	.6058	.6376	.6873	.7280	.8333	1.1235	1.5965
RP25/A	.3883	.5313	.5844	.6228	.6442	.6921	.7545	.7924	.8454	.8937	1.0132	1.3727	1.9090
RP50/A	.4382	.6079	.6678	.7098	.7314	.7896	.8617	.9061	.9587	1.0123	1.1411	1.5511	2.1312
RP100/A	.4867	.6829	.7491	.7942	.8157	.8843	.9658	1.0225	1.0882	1.1270	1.2643	1.7237	2.3450
RP1000/A	.6409	.9244	1.0096	1.0631	1.0822	1.1858	1.2972	1.3577	1.4145	1.4896	1.6507	2.2692	3.0163
RP10000/A	.7889	1.1591	1.2612	1.3210	1.3361	1.4750	1.6152	1.6887	1.7443	1.8350	2.0160	2.7889	3.6508
PMP/A	1.5842	2.2366	2.5097	2.7075	2.8167	3.0294	3.3242	3.4684	3.6680	3.8494	4.3329	5.8196	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 1338 10		STATION NAME CAMARILLO-HOOKER		ELEV 214	SEC 122	TWP 34	RNG LOT 02N 21W A	BWM 5	LATITUDE 34.219	LONGITUDE 119.055	COUNTY 56		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.33	2.70	3.00	3.30	3.51	3.63	3.82	4.10	4.66	5.03	5.70	7.64	12.47
5	3.47	4.22	4.77	5.27	5.58	5.85	6.25	6.64	7.39	7.92	8.95	11.85	18.11
10	4.24	5.28	5.97	6.59	6.94	7.32	7.93	8.40	9.25	9.88	10.88	14.76	21.80
20	4.96	6.29	7.11	7.83	8.21	8.72	9.54	10.08	11.02	11.75	13.01	17.56	25.26
25	5.18	6.61	7.47	8.22	8.61	9.16	10.05	10.62	11.58	12.33	13.65	18.44	26.34
40	5.65	7.28	8.22	9.02	9.43	10.06	11.11	11.73	12.74	13.58	14.98	20.28	28.57
50	5.87	7.59	8.57	9.40	9.81	10.49	11.61	12.25	13.28	14.13	15.61	21.14	29.61
100	6.54	8.56	9.64	10.55	10.98	11.78	13.14	13.85	14.94	15.89	17.52	23.80	32.79
200	7.20	9.51	10.70	11.68	12.12	13.06	14.65	15.44	16.58	17.61	19.40	26.42	35.90
1000	8.69	11.68	13.10	14.25	14.69	15.94	18.11	19.05	20.31	21.55	23.68	32.42	42.91
10000	10.76	14.73	16.47	17.82	18.26	19.95	22.96	24.13	25.52	27.05	29.67	40.83	52.62
PMP	21.04	27.71	31.91	35.53	37.42	39.66	43.60	45.74	49.44	52.30	57.16	76.63	104.80
MEAN	2.590	3.091	3.428	3.750	3.949	4.135	4.446	4.752	5.319	5.729	6.462	8.723	13.654
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	.854	.945	.716	.732	.773	.783	1.030	1.004	.984	.771	.680	.400	.833
REGIONAL SKEW	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
SKEW USED	1.300	1.500	1.400	1.300	1.200	1.300	1.500	1.500	1.400	1.400	1.400	1.500	1.200
KURTOSIS	3.299	4.057	3.524	3.857	3.985	4.024	4.717	4.548	4.284	3.739	3.308	3.078	4.228
N	83	83	83	83	83	83	83	83	83	83	83	83	83
RECORD YEAR	1956	1956	1956	1962	1962	1962	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	5.000	7.150	7.600	9.060	9.750	9.750	11.920	12.46	13.530	13.750	15.160	19.630	34.330
NORMALIZED MAX	2.170	2.999	2.780	3.161	3.302	3.014	3.625	3.512	3.301	3.138	2.981	2.821	3.695
CALC. COEF. VAR	.429	.438	.438	.448	.445	.450	.466	.462	.468	.468	.452	.443	.410
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1897	.2264	.2510	.2746	.2892	.3029	.3256	.3481	.3896	.4195	.4733	.6389	1.0000
RP10/A	.3103	.3857	.4284	.4611	.4814	.5017	.5344	.5671	.6268	.6695	.7691	1.0809	1.4948
RP25/A	.3766	.4844	.5409	.6017	.6304	.6706	.7358	.7775	.8479	.9034	.9999	1.3504	1.9290
RP50/A	.4299	.5562	.6273	.6883	.7184	.7680	.8500	.8971	.9724	1.0348	1.1429	1.5844	2.1687
RP100/A	.4779	.6268	.7060	.7728	.8039	.8630	.9622	1.0146	1.0943	1.1634	1.2830	1.7431	2.4015
RP1000/A	.6311	.8556	.9596	1.0435	1.0760	1.1673	1.3260	1.3955	1.4872	1.5781	1.7944	2.3741	3.1426
RP10000/A	.7470	1.0791	1.2060	1.3048	1.3371	1.4611	1.6814	1.7675	1.8688	1.9810	2.1728	2.9906	3.8536
PMP/A	1.5411	2.0297	2.3372	2.6019	2.7404	2.9195	3.1928	3.3500	3.6210	3.8305	4.1860	5.6123	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 3511 11		STATION NAME GORMAN DEWEY 298		ELEV 617	SEC 3680	TWP 18	RNG LOT 08N 18W 0	8W 5	LATITUDE 34.787	LONGITUDE 118.822	COUNTY CODE 70		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.77	2.19	2.48	2.66	2.84	3.04	3.24	3.48	3.88	4.09	4.83	6.87	11.44
5	2.62	3.42	3.92	4.23	4.49	4.87	5.23	5.57	6.69	6.37	7.37	10.51	16.50
10	3.18	4.26	4.89	5.25	5.55	6.07	6.54	6.94	7.51	7.83	8.98	12.95	19.70
20	3.71	5.05	5.80	6.21	6.54	7.20	7.76	8.22	8.82	9.19	10.47	15.03	22.65
25	3.87	5.30	6.08	6.52	6.85	7.55	8.15	8.62	9.23	9.61	10.92	15.70	23.56
40	4.21	5.82	6.67	7.14	7.50	8.27	8.94	9.45	9.43	9.82	11.87	16.63	25.43
50	4.37	6.07	6.95	7.43	7.77	8.54	9.30	9.84	10.47	10.89	12.30	17.74	26.30
100	4.86	6.81	7.80	8.31	8.67	9.65	10.43	11.01	11.67	12.12	13.63	19.72	28.94
200	5.33	7.55	8.63	9.17	9.54	10.66	11.53	12.17	12.83	13.32	14.92	21.64	31.50
1000	6.39	9.22	10.51	11.12	11.50	12.93	14.01	14.77	15.45	16.02	17.80	25.96	37.23
10000	7.87	11.57	13.13	13.82	14.20	16.97	17.42	18.37	19.05	19.74	21.74	31.90	45.06
PMP	15.81	22.32	26.12	28.32	29.94	33.04	35.89	37.71	40.06	41.41	46.72	66.57	94.73
MEAN	1.945	2.490	2.806	2.989	3.168	3.428	3.661	3.918	4.310	4.535	5.282	7.578	12.342
CLOCK HR. COR.	1.140	1.670	1.940	1.970	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	-0.339	0.193	0.407	0.468	0.51	0.689	0.699	0.570	0.800	0.889	1.247	1.161	1.544
REGIONAL SKEW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	2.534	2.284	2.222	2.684	3.006	3.266	2.866	2.580	2.922	3.218	5.217	4.166	6.696
N	23	27	28	31	31	32	31	32	32	31	32	33	34
RECORD YEAR	1947	1943	1947	1939	1939	1939	1969	1941	1969	1941	1941	1941	1941
RECORD MAXIMUM	2.400	4.070	4.880	6.220	6.830	7.790	7.790	7.800	9.480	9.520	13.510	18.580	31.210
NORMALIZED MAX	0.017	1.862	1.645	2.331	2.392	2.613	2.215	2.000	2.371	2.292	3.204	2.962	3.599
CALC. COEF. VAR	0.286	0.382	0.449	0.480	0.487	0.509	0.496	0.479	0.479	0.479	0.486	0.490	0.425
REGN. COEF. VAR	0.475	0.531	0.554	0.565	0.565	0.576	0.587	0.575	0.553	0.542	0.523	0.519	0.445
USED COEF. VAR	0.475	0.531	0.554	0.565	0.565	0.576	0.587	0.575	0.553	0.542	0.523	0.519	0.445
MEAN/A	1.576	2.017	2.273	2.422	2.560	2.777	2.966	3.175	3.492	3.675	4.280	6.140	1.0000
RP10/A	2.580	3.449	3.920	4.256	4.500	4.922	5.300	5.622	6.082	6.346	7.280	1.0413	1.5965
RP25/A	3.139	4.296	4.929	5.279	5.554	6.117	6.601	6.986	7.481	7.691	8.852	1.2723	1.9090
RP50/A	3.543	4.815	5.532	6.016	6.300	6.970	7.530	7.969	8.484	8.823	9.969	1.4377	2.1312
RP100/A	3.934	5.521	6.317	7.025	7.405	8.151	8.649	8.924	9.453	9.823	1.1045	1.5976	2.3450
RP1000/A	5.181	7.474	8.514	9.011	9.321	1.0480	1.1349	1.1965	1.2517	1.2983	1.4421	2.1033	3.0163
RP10000/A	6.377	9.272	1.0636	1.1107	1.1567	1.3035	1.4130	1.4536	1.5039	1.5435	1.7612	2.5849	3.6508
PMP/A	1.2807	1.8063	2.1105	2.2949	2.4599	2.6773	2.9082	3.0583	3.2459	3.3551	3.7053	5.3941	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 4943 0	STATION NAME LIMONIERA RANCH	ELEV 335	SEC	TWP	RNG LOT	8W	LATITUDE 34.332	LONGITUDE 119.124	COUNTY CODE 96				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.32	3.66	3.96	4.14	4.39	4.68	5.04	5.45	5.81	7.44	9.79	15.33
5	4.03	5.18	5.79	6.30	6.55	7.03	7.56	8.06	9.15	9.61	11.39	14.97	22.11
10	4.92	6.44	7.22	7.83	8.10	8.76	9.44	10.04	11.29	11.82	13.87	18.30	26.39
20	5.70	7.64	8.56	9.26	9.54	10.38	11.21	11.90	13.27	13.87	16.16	21.40	30.34
25	5.96	8.02	8.98	9.71	9.99	10.89	11.76	12.48	13.89	14.51	16.87	22.36	31.56
40	6.48	8.81	9.86	10.63	10.92	11.93	12.90	13.68	14.19	14.82	18.32	22.84	34.47
50	6.72	9.18	10.26	11.06	11.34	12.42	13.43	14.24	15.75	16.43	19.00	25.27	35.24
100	7.47	10.31	11.51	12.38	12.65	13.91	15.05	15.95	17.55	18.29	21.05	28.08	38.77
200	8.19	11.42	12.74	13.67	13.92	15.37	16.64	17.62	19.30	20.11	23.04	30.62	42.20
1000	9.63	13.96	15.52	16.57	16.76	18.66	20.22	21.38	23.24	24.18	27.48	36.97	49.87
10000	12.10	17.50	19.38	20.59	20.72	23.21	25.18	26.59	28.65	29.79	33.56	45.44	60.36
PMP	24.30	33.76	38.57	42.20	43.68	47.66	51.62	54.61	60.25	62.48	72.13	94.82	126.69
MEAN	2.991	3.766	4.143	4.454	4.610	4.944	5.285	5.673	6.482	6.844	8.155	10.793	16.533
CLOCK HR. COR.	1.140	1.670	1.940	1.970	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	1.363	1.649	1.470	1.421	1.420	1.389	1.457	1.410	1.221	1.160	1.007	0.864	0.812
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.618	7.687	6.314	5.859	5.764	5.229	5.612	5.580	4.638	4.200	3.795	3.229	3.617
N	65	65	65	65	65	65	65	65	65	65	65	65	66
RECORD YEAR	1943	1943	1943	1943	1943	1969	1969	1969	1969	1918	1969	1969	1941
RECORD MAXIMUM	7.290	11.200	12.340	12.610	13.300	13.860	15.210	16.068	17.420	17.550	19.990	25.330	36.510
NORMALIZED MAX	3.170	3.950	3.610	3.551	3.549	3.282	3.301	3.428	3.135	2.946	2.873	2.780	3.303
CALC. COEF. VAR	0.493	0.499	0.519	0.528	0.531	0.551	0.535	0.538	0.524	0.505	0.485	0.485	0.402
REGN. COEF. VAR	0.475	0.531	0.554	0.565	0.565	0.576	0.587	0.575	0.553	0.542	0.523	0.519	0.445
USED COEF. VAR	0.475	0.531	0.554	0.565	0.565	0.576	0.587	0.575	0.553	0.542	0.523	0.519	0.445
MEAN/A	1.869	2.278	2.506	2.694	2.788	2.990	3.196	3.332	3.921	4.139	4.933	6.528	1.0000
RP10/A	2.961	3.895	4.365	4.735	4.901	5.299	5.712	6.076	6.928	7.148	8.391	1.1071	1.5968
RP25/A	3.363	4.851	5.433	5.872	6.043	6.586	7.113	7.551	8.400	8.774	1.0263	1.3527	1.9090
RP50/A	4.066	5.550	6.208	6.692	6.861	7.514	8.124	8.614	9.525	9.939	1.1491	1.5286	2.1312
RP100/A	4.516	6.235	6.964	7.488	7.651	8.415	9.106	9.646	1.0613	1.1065	1.2731	1.6986	2.3450
RP1000/A	5.947	8.944	9.936	10.923	1.0151	1.1284	1.2231	1.2932	1.4054	1.4625	1.6622	2.2362	3.0163
RP10000/A	7.320	1.0584	1.1725	1.2455	1.2532	1.4036	1.5226	1.6064	1.7331	1.8016	2.0301	2.7463	3.6508
PMP/A	1.4699	2.0421	2.3332	2.5527	2.6420	2.8827	3.1341	3.3029	3.6444	3.7794	4.3630	5.7349	7.6750

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE			
U03 5826 51	MOORPARK 155E -141	520	09	02N	19W	C	S	34.279	118.877	56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.34	2.96	3.39	3.64	3.80	3.86	4.25	4.54	5.07	5.39	6.35	8.64	13.77
5	3.48	4.63	5.37	5.78	6.00	6.18	6.86	7.27	7.94	8.39	9.70	13.22	19.86
10	4.22	5.76	6.68	7.18	7.43	7.70	8.57	9.06	9.80	10.32	11.82	16.17	23.72
20	4.92	6.83	7.93	8.50	8.75	9.13	10.18	10.74	11.52	12.11	13.77	18.90	27.26
25	5.14	7.17	8.32	8.91	9.16	9.57	10.68	11.26	12.05	12.66	14.38	19.75	28.36
40	5.59	7.88	9.13	9.76	9.36	10.49	11.71	12.34	13.31	12.93	15.62	20.17	30.61
50	5.81	8.21	9.51	10.15	10.40	10.92	12.19	12.85	13.66	14.34	16.19	22.32	31.66
100	6.44	9.22	10.66	11.36	11.59	12.23	13.67	14.38	15.23	15.97	17.94	24.80	34.84
200	7.07	10.21	11.80	12.54	12.76	13.51	15.11	15.89	16.75	17.55	19.63	27.22	37.92
1000	8.48	12.48	14.37	15.21	15.38	16.40	18.36	19.28	20.16	21.10	23.42	32.65	44.81
10000	10.44	15.65	17.95	18.90	18.99	20.40	22.85	23.99	24.86	26.00	28.61	40.13	54.24
PHP	20.96	30.19	35.72	38.73	40.03	41.90	47.04	49.25	52.28	54.54	61.48	83.74	114.02
MEAN	2.580	3.368	3.837	4.087	4.225	4.347	4.797	5.117	5.625	5.974	6.951	9.532	14.856
CLOCK MR. COR.	1.140	1.078	1.049	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.071	.985	1.013	1.334	1.132	1.074	1.068	.895	1.008	.899	.678	1.072	1.056
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.063	3.740	6.527	5.034	4.470	4.198	4.530	3.817	4.032	3.530	2.841	4.019	4.049
N	42	43	44	44	44	43	44	44	44	44	44	44	44
RECORD YEAR	1956	1944	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
RECORD MAXIMUM	5.540	7.530	11.900	11.900	11.900	11.900	13.300	13.300	14.600	14.750	14.750	22.280	34.360
NORMALIZED MAX	2.689	2.416	3.554	3.296	3.213	3.112	3.312	3.079	3.043	2.936	2.448	2.811	3.025
CALC. COEF. VAR	.427	.511	.591	.580	.565	.558	.535	.519	.524	.500	.458	.476	.434
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1737	.2267	.2583	.2751	.2844	.2926	.3229	.3445	.3786	.4021	.4679	.6416	1.0000
RP10/A	.2842	.3876	.4499	.4835	.4999	.5185	.5770	.6100	.6594	.6943	.7959	1.0882	1.5965
RP25/A	.3459	.4829	.5599	.5996	.6164	.6444	.7186	.7579	.8111	.8523	.9677	1.3295	1.9990
RP50/A	.3703	.5524	.6398	.6834	.6998	.7352	.8207	.8646	.9198	.9654	1.0899	1.5021	2.1312
RP100/A	.4335	.6205	.7177	.7647	.7804	.8233	.9199	.9683	1.0248	1.0748	1.2075	1.6965	2.3450
RP1000/A	.5708	.8401	.9673	1.0236	1.0354	1.1040	1.2356	1.2981	1.3571	1.4206	1.5766	2.1979	3.0774
RP10000/A	.7026	1.0533	1.2083	1.2719	1.2783	1.3732	1.5384	1.6145	1.6735	1.7500	1.9255	2.7012	3.6568
PHP/A	1.4110	2.0325	2.4045	2.6668	2.9448	2.8205	3.1662	3.3154	3.5191	3.6712	4.1383	5.6367	7.6750

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE			
U03 6159 11	NEWMALL RANCH-PIRU-25	675	26	04N	18W	S		34.402	118.736	56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.82	3.64	3.95	4.22	4.40	4.55	4.89	5.06	5.87	6.14	7.30	9.65	15.11
5	4.19	5.68	6.25	6.70	6.94	7.29	7.89	8.09	9.21	9.55	11.15	14.76	21.80
10	5.09	7.06	7.78	8.33	8.61	9.08	9.86	10.08	11.35	11.75	13.58	18.05	26.02
20	5.93	8.36	9.23	9.86	10.14	10.76	11.71	11.95	13.35	13.79	15.82	21.11	29.92
25	6.19	8.80	9.69	10.33	10.62	11.28	12.28	12.53	13.97	14.42	16.52	22.06	31.12
40	6.73	9.66	10.63	11.32	10.85	12.37	13.47	13.73	14.27	14.73	17.94	22.52	33.59
50	6.98	10.07	11.07	11.78	12.08	12.87	14.03	14.29	15.84	16.34	18.60	24.92	34.74
100	7.76	11.31	12.42	13.18	13.45	14.42	15.72	16.01	17.65	18.19	20.61	27.70	38.23
200	8.51	12.53	13.74	14.55	14.80	15.93	17.38	17.64	19.41	19.99	22.56	30.40	41.61
1000	10.21	15.31	16.74	17.64	17.84	19.33	21.12	21.46	23.37	24.04	26.91	36.46	49.17
10000	12.57	19.19	20.91	21.92	22.02	24.92	26.30	26.69	28.82	29.61	32.88	44.81	59.51
PHP	25.25	37.04	41.61	44.93	46.43	49.39	54.12	54.81	60.60	62.12	70.63	93.51	125.11
MEAN	3.107	4.131	4.469	4.742	4.900	5.124	5.520	5.695	6.519	6.804	7.985	10.444	16.301
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.830	2.091	1.687	1.379	1.233	1.272	1.316	1.230	1.249	1.109	1.019	1.371	1.181
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	7.538	10.113	6.932	5.104	4.556	4.674	4.749	4.907	4.188	3.835	3.727	5.023	4.219
RECORD YEAR	43	43	43	43	43	43	43	43	43	43	43	43	58
RECORD MAXIMUM	1943	1943	1943	1943	1943	1943	1969	1943	1969	1969	1969	1969	1941
NORMALIZED MAX	8.420	13.390	13.950	14.040	14.040	14.560	15.460	16.470	17.260	17.420	20.790	30.260	37.120
CALC. COEF. VAR	3.186	3.929	3.588	3.312	3.195	3.112	2.952	3.382	2.760	2.699	2.931	3.251	3.009
REGN. COEF. VAR	.527	.678	.679	.725	.736	.789	.805	.878	.657	.657	.578	.607	.578
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1906	.2534	.2742	.2909	.3006	.3143	.3366	.3493	.3999	.4174	.4899	.6530	1.0000
RP10/A	.3120	.4333	.4775	.5112	.5283	.5570	.6050	.6186	.6965	.7207	.8333	1.1074	1.5965
RP25/A	.3796	.5397	.5944	.6339	.6514	.6923	.7535	.7687	.8568	.8847	1.0132	1.3530	1.9090
RP50/A	.4238	.6175	.6792	.7225	.7396	.7898	.8606	.8769	.9716	1.0021	1.1411	1.5289	2.1312
RP100/A	.4758	.6936	.7619	.8085	.8248	.8845	.9646	.9820	1.0825	1.1156	1.2642	1.6990	2.3450
RP1000/A	.6265	.9391	1.0268	1.0822	1.0943	1.1060	1.2956	1.3165	1.4335	1.4746	1.6507	2.2367	3.0163
RP10000/A	.7712	1.1775	1.2826	1.3447	1.3510	1.4753	1.6132	1.6374	1.7677	1.8165	2.0160	2.7489	3.6508
PHP/A	1.5487	2.2720	2.5524	2.7560	2.8462	3.0300	3.3260	3.3624	3.7173	3.8107	4.3328	5.7363	7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT REPRESENTATIVE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U03 6569 1	STATION NAME OXNARO 32	ELEV 49	SEC 03	TWP 01N	RNG LOT 22W F	BWM S	LATITUDE 34.201	LONGITUDE 119.175	COUNTY COE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.35	2.83	3.15	3.37	3.56	3.72	3.93	4.23	4.89	5.18	6.25	6.18	13.42
5	3.50	4.42	4.99	5.35	5.62	5.96	6.35	6.76	7.66	8.05	9.54	12.50	19.35
10	4.25	5.50	6.22	6.65	6.96	7.43	7.93	8.44	9.45	9.92	11.62	15.29	23.11
20	4.95	6.53	7.37	7.87	8.19	8.81	9.42	10.00	11.11	11.64	13.54	17.88	26.56
25	5.17	6.85	7.74	8.25	8.58	9.23	9.88	10.49	11.62	12.17	14.13	18.68	27.63
40	5.62	7.52	8.49	9.04	9.37	10.12	10.84	11.57	12.83	13.43	15.59	19.08	29.02
50	5.83	7.84	8.84	9.40	9.74	10.54	11.29	11.97	13.18	13.79	16.11	21.11	30.85
100	6.47	8.80	9.92	10.52	10.86	11.80	12.65	13.49	14.69	15.35	17.63	23.44	33.94
200	7.10	9.75	10.97	11.62	11.95	13.03	13.98	14.86	16.15	16.87	19.30	25.75	36.94
1000	8.53	11.92	13.37	14.08	14.41	15.82	16.99	17.97	19.45	20.29	23.02	30.09	43.66
10000	10.49	14.94	16.70	17.50	17.79	19.68	21.15	22.34	23.98	24.99	28.11	37.96	52.84
PMP	21.08	28.83	33.22	35.87	37.50	40.42	43.54	45.88	50.43	52.43	60.42	79.21	111.08
MEAN	2.594	3.216	3.569	3.786	3.958	4.193	4.440	4.767	5.425	5.743	6.831	9.017	14.473
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.183	1.095	1.090	1.041	1.060	1.112	1.316	1.088	1.045	0.873	0.747	0.577	1.253
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.430	4.189	4.144	7.749	7.820	6.535	5.745	4.592	4.716	4.255	3.520	3.010	6.236
RECORD YEAR	69	69	69	69	69	69	69	69	69	69	69	69	97
RECORD MAXIMUM	1956	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1961	1941
NORMALIZED MAX	2.768	2.953	3.067	3.207	3.427	4.115	4.203	3.567	3.766	3.663	3.134	2.795	4.051
CALC. COEF. VAR	.475	.464	.480	.506	.496	.486	.503	.494	.494	.488	.436	.414	.445
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USEO COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1792	.2222	.2466	.2616	.2735	.2897	.3068	.3293	.3748	.3968	.4720	.6230	1.0000
RP10/A	.2933	.3799	.4295	.4597	.4806	.5134	.5482	.5833	.6528	.6852	.8029	1.0586	1.5965
RP25/A	.3845	.4713	.5234	.5582	.5898	.6304	.6710	.7125	.8040	.8410	.9762	1.2909	1.9838
RP50/A	.4028	.5415	.6108	.6497	.6728	.7279	.7798	.8268	.9100	.9527	1.0995	1.4587	2.1312
RP100/A	.4473	.6082	.6852	.7270	.7503	.8152	.8740	.9259	1.0147	1.0606	1.2181	1.6210	2.3450
RP1000/A	.5891	.8234	.9235	.9731	.9955	1.0931	1.1739	1.2413	1.3436	1.4018	1.5905	2.1343	3.0163
RP10000/A	.7251	1.0325	1.1535	1.2092	1.2290	1.3597	1.4616	1.5439	1.6569	1.7269	1.9425	2.6227	3.6568
PMP/A	1.4562	1.9922	2.2955	2.4784	2.5910	2.7926	3.0082	3.1704	3.4841	3.6226	4.1748	5.4730	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U03 6891 0	STATION NAME PINE CANYON PAT STA	ELEV 610	SEC 29	TWP 07N	RNG LOT 15W R	BWM S	LATITUDE 34.675	LONGITUDE 118.431	COUNTY COE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.14	3.97	4.50	4.81	5.07	5.24	5.60	6.02	6.69	7.24	8.33	11.17	17.37
5	4.06	6.19	7.12	7.64	8.01	8.39	9.04	9.64	10.50	11.26	12.72	17.09	25.05
10	5.66	7.71	8.86	9.49	9.91	10.46	11.29	12.01	12.94	13.85	15.49	20.90	29.91
20	6.60	9.15	10.51	11.23	11.67	12.40	13.40	14.23	15.22	16.25	18.05	24.44	34.39
25	6.89	9.60	11.03	11.77	12.22	13.00	14.06	14.93	15.92	17.00	18.84	25.53	35.77
40	7.50	10.54	12.10	12.89	12.49	14.25	15.43	16.36	16.27	17.36	20.46	26.07	38.01
50	7.78	10.98	12.61	13.42	13.87	14.83	16.06	17.03	18.06	19.25	21.22	28.85	39.93
100	8.64	12.33	14.14	15.01	15.47	16.61	18.00	19.07	20.12	21.43	23.51	32.06	43.94
200	9.48	13.67	15.65	16.58	17.03	18.35	19.90	21.06	22.13	23.56	25.73	35.19	47.83
1000	11.37	16.70	19.06	20.10	20.53	22.27	24.18	25.56	26.64	28.33	30.69	42.21	56.52
10000	14.00	20.97	23.81	24.97	25.34	27.71	30.11	31.79	32.85	34.90	37.49	51.88	68.41
PMP	28.12	40.40	47.38	51.19	53.42	56.90	61.97	65.29	69.08	73.20	80.56	108.26	143.81
MEAN	3.460	4.507	5.089	5.402	5.638	5.903	6.320	6.783	7.432	8.018	9.109	12.323	16.737
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	0.823	1.511	1.071	0.779	0.721	0.738	0.957	0.957	0.814	0.925	0.769	1.376	0.776
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.073	6.507	3.990	3.056	2.906	3.085	3.806	3.687	3.271	3.697	3.236	5.553	2.979
RECORD YEAR	40	40	40	40	40	40	40	40	40	40	40	40	39
RECORD MAXIMUM	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969
NORMALIZED MAX	1.892	3.317	2.760	2.548	2.481	2.322	2.914	2.607	2.607	2.410	2.2650	2.768	3.507
CALC. COEF. VAR	.519	.563	.590	.580	.566	.563	.591	.594	.561	.560	.539	.573	.479
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USEO COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1847	.2405	.2716	.2883	.3009	.3150	.3373	.3620	.3947	.4279	.4861	.6577	1.0000
RP10/A	.3023	.4112	.4731	.5087	.5289	.5580	.6027	.6410	.6908	.7389	.8269	1.1154	1.5965
RP25/A	.3698	.5122	.5888	.6284	.6521	.6939	.7506	.7965	.8498	.9070	1.0055	1.3626	1.9090
RP50/A	.4151	.5861	.6728	.7161	.7403	.7916	.8573	.9087	.9636	1.0274	1.1324	1.5400	2.1312
RP100/A	.4610	.6683	.7547	.8013	.8257	.8865	.9606	1.0176	1.0737	1.1438	1.2546	1.7112	2.3450
RP1000/A	.6912	.8912	1.172	1.254	1.288	1.364	1.488	1.563	1.643	1.718	1.881	2.509	3.6163
RP10000/A	.7472	1.1175	1.2706	1.3329	1.3524	1.4787	1.6069	1.6968	1.7533	1.8624	2.0006	2.7688	3.6500
PMP/A	1.5060	2.1562	2.5284	2.7318	2.8511	3.0370	3.3071	3.4843	3.6869	3.9069	4.2997	5.7777	7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 6940 3	STATION NAME PIRU CANYON VC172	ELEV 113	SEC 1190	TWP 15	RND LOT 05N 18W R	BNM 5	LATITUDE 34+513	LONGITUDE 118+748	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.84	3.59	3.89	4.22	4.43	4.62	5.01	5.29	5.96	6.30	7.49	9.73	15.51
5	4.22	5.61	6.16	6.70	7.01	7.39	8.10	8.47	9.35	9.79	11.44	14.88	22.37
10	5.12	6.98	7.67	8.33	8.67	9.22	10.12	10.56	11.53	12.05	13.93	18.19	26.71
20	5.96	8.28	9.10	9.85	10.21	10.92	12.01	12.51	13.56	14.14	16.23	21.27	30.71
25	6.23	8.69	9.55	10.33	10.69	11.45	12.60	13.12	14.19	14.79	16.94	22.23	31.94
40	6.77	9.54	10.48	11.31	11.67	12.55	13.82	14.50	15.71	16.11	18.40	23.70	34.48
50	7.03	9.94	10.91	11.77	12.13	13.07	14.40	14.97	16.09	16.75	19.08	25.12	35.46
100	7.81	11.17	12.24	13.17	13.53	14.63	16.13	16.76	17.93	18.65	21.14	27.91	39.24
200	8.57	12.38	13.35	14.34	14.69	16.17	17.83	18.51	19.72	20.50	23.14	30.63	42.71
1000	10.28	15.12	16.70	17.63	17.95	19.62	21.47	22.47	23.74	24.45	27.40	36.75	50.47
10000	12.65	18.96	20.61	21.90	22.16	24.41	26.98	27.95	29.27	30.36	33.71	45.16	61.09
PMP	25.41	36.58	41.02	44.89	46.72	50.13	55.53	57.39	61.56	63.69	72.45	94.24	128.42
MEAN	3.128	4.081	4.406	4.737	4.931	5.200	5.664	5.963	6.623	6.976	8.191	10.728	16.732
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.446	2.123	1.786	1.392	1.249	1.274	1.350	1.373	1.084	1.118	.894	1.342	1.133
REGIONAL SKEW	1.400	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	5.760	9.376	7.475	5.102	4.666	4.643	5.011	5.079	3.745	3.930	3.258	4.891	3.931
N	46	46	46	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	7.710	13.000	13.720	13.720	13.800	14.280	15.220	16.500	16.550	17.570	18.520	27.640	38.570
NORMALIZED MAX	2.922	3.400	3.690	3.602	3.225	3.106	3.093	2.867	2.794	2.608	2.608	3.118	2.955
CALC. COEF. VAR	.501	.575	.573	.574	.557	.562	.559	.571	.562	.543	.484	.506	.442
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	1.869	2.439	2.633	2.831	2.947	3.108	3.385	3.564	3.958	4.169	4.895	6.411	1.0000
RP10/A	.3059	.4170	.4586	.4976	.5180	.5508	.6048	.6310	.6893	.7200	.8321	1.0873	1.5965
RP25/A	.3723	.5194	.5708	.6145	.6385	.6845	.7541	.7841	.8479	.8838	1.0125	1.3285	1.9090
RP50/A	.4201	.5943	.6523	.7033	.7251	.7810	.8603	.8945	.9616	1.0011	1.1404	1.5012	2.1312
RP100/A	.4665	.6675	.7317	.7870	.8087	.8746	.9643	1.0017	1.0714	1.1145	1.2634	1.6682	2.3450
RP1000/A	.6144	.9037	.9861	1.0534	1.0729	1.1728	1.2952	1.3430	1.4187	1.4730	1.6496	2.1952	3.0163
RP10000/A	.7563	1.1331	1.2318	1.3059	1.3246	1.4588	1.6126	1.6704	1.7495	1.8146	2.0146	2.6591	3.8508
PMP/A	1.5187	2.1864	2.4513	2.6827	2.7924	2.9951	3.3189	3.4301	3.6790	3.8067	4.3299	5.6324	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 7020 70		STATION NAME POINT MUOU	ELEV 223	SEC 9	TWP 05	RND LOT 01S 21W C	BNM 5	LATITUDE 34+119	LONGITUDE 119+107	COUNTY CODE 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	1.85	2.34	2.59	2.77	2.93	3.00	3.20	3.42	3.97	4.18	4.94	6.60	9.76
5	2.75	3.65	4.10	4.40	4.64	4.80	5.17	5.48	6.23	6.50	7.54	10.10	14.08
10	3.34	4.54	5.10	5.47	5.74	5.98	6.46	6.82	7.68	8.00	9.19	12.35	16.91
20	3.89	5.38	6.05	6.47	6.75	7.09	7.66	8.08	9.03	9.39	10.70	14.44	19.32
25	4.07	5.65	6.35	6.78	7.07	7.43	8.04	8.48	9.45	9.82	11.17	15.08	20.10
40	4.42	6.21	6.97	7.43	7.23	8.15	8.82	9.29	9.65	10.03	12.13	15.40	21.69
50	4.59	6.47	7.26	7.73	8.03	8.48	9.18	9.67	10.17	11.12	12.58	17.05	22.44
100	5.10	7.26	8.14	8.65	8.95	9.50	10.29	10.83	11.94	12.38	13.94	18.94	24.49
200	5.59	8.05	9.01	9.55	9.85	10.40	11.38	11.96	13.13	13.61	15.26	20.79	26.87
1000	6.71	9.83	10.97	11.58	11.88	12.74	13.83	14.52	15.81	16.36	18.20	24.94	31.75
10000	8.26	12.33	13.71	14.39	14.67	15.84	17.21	18.06	19.50	20.16	22.23	30.65	38.43
PMP	16.59	23.79	27.28	29.49	30.92	32.53	35.43	37.08	41.00	42.29	47.77	63.95	80.80
MEAN	2.042	2.654	2.930	3.112	3.263	3.375	3.613	3.853	4.411	4.631	5.461	7.280	10.527
CLOCK HR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	1.029	1.948	1.798	1.746	1.939	1.833	1.681	1.709	1.914	2.004	1.625	1.548	1.195
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	3.771	7.359	6.285	6.189	7.302	6.559	5.554	5.897	6.818	7.166	5.786	5.476	4.056
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1956	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962	1962
RECORD MAXIMUM	3.900	7.480	6.370	9.540	10.400	10.500	10.560	11.690	13.730	13.850	14.540	17.680	21.770
NORMALIZED MAX	1.911	2.945	2.784	2.950	3.160	3.072	2.774	2.947	3.081	3.126	2.987	2.743	2.468
CALC. COEF. VAR	.476	.618	.667	.699	.692	.687	.693	.690	.686	.637	.566	.521	.433
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	1.940	.2521	.2784	.2956	.3100	.3206	.3432	.3660	.4190	.4400	.5131	.6915	1.0000
RP10/A	.3175	.4310	.4648	.5195	.5448	.5691	.6133	.6480	.7297	.7597	.8727	1.1727	1.5965
RP25/A	.3863	.5369	.6035	.6443	.6717	.7061	.7639	.8052	.8976	.9325	1.0612	1.4329	1.9090
RP50/A	.4359	.6142	.6896	.7343	.7626	.8056	.8724	.9196	1.0179	1.0563	1.1952	1.6192	2.1312
RP100/A	.4851	.6899	.7735	.8217	.8505	.8978	.9778	1.0287	1.1342	1.1750	1.3241	1.7993	2.3450
RP1000/A	.6376	.9340	1.0425	1.0999	1.1284	1.2097	1.3134	1.3792	1.5019	1.5544	1.7289	2.3688	3.0163
RP10000/A	.7848	1.1712	1.3023	1.3668	1.3931	1.5047	1.6352	1.7153	1.8521	1.9147	2.1115	2.9112	3.8508
PMP/A	1.5760	2.2598	2.5915	2.8012	2.9369	3.0905	3.3655	3.5224	3.8946	4.0168	4.5381	6.0749	7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 7080 0		STATION NAME PORT HUENEME 17		ELEV 532	SEC 20	TWP 01N	RNG LOT 22W	BWM 5	LATITUDE 34-144	LONGITUDE 119-208	COUNTY CODE 56		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.35	2.76	3.09	3.27	3.44	3.63	3.81	4.15	4.68	5.04	6.03	8.02	12.48
5	3.49	4.31	4.89	5.19	5.44	5.82	6.16	6.65	7.34	7.84	9.21	12.27	17.99
10	4.24	5.37	6.09	6.45	6.73	7.25	7.70	8.28	9.05	9.64	11.23	15.00	21.48
20	4.94	6.37	7.22	7.63	7.92	8.60	9.14	9.82	10.64	11.31	13.08	17.54	24.70
25	5.16	6.69	7.58	8.00	8.29	9.01	9.59	10.29	11.13	11.83	13.65	18.33	25.69
40	5.41	7.34	8.31	8.76	8.88	9.88	10.52	11.28	12.09	12.99	14.83	18.72	27.73
50	5.82	7.65	8.66	9.12	9.42	10.28	10.95	11.74	12.63	13.40	15.37	20.71	28.68
100	6.47	8.59	9.71	10.20	10.50	11.52	12.27	13.15	14.07	14.92	17.03	23.02	31.56
200	7.09	9.52	10.75	11.26	11.56	12.72	13.57	14.53	15.47	16.40	18.64	25.26	34.35
1000	8.51	11.63	13.09	13.66	13.93	15.44	16.49	17.63	18.63	19.72	22.84	30.30	40.59
10000	10.48	14.58	16.35	16.97	17.20	19.21	20.57	21.93	22.97	24.29	27.16	34.27	46.13
PMP	21.05	28.14	32.54	34.78	36.26	39.46	42.24	45.03	48.31	50.97	58.37	77.72	103.28
MEAN	2.590	3.139	3.495	3.670	3.827	4.093	4.308	4.678	5.197	5.582	6.599	8.847	13.457
CLOCK MR. COR.	1.140	1.670	1.900	1.920	1.910	1.910	1.900	1.900	1.900	1.900	1.900	1.900	1.900
CALCULATED SKEW	1.964	1.964	1.960	1.941	1.940	1.936	1.922	1.923	1.969	1.908	1.925	1.978	1.807
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.200	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.568	9.002	5.046	5.023	5.649	4.982	4.617	4.252	3.923	3.226	3.969	2.752	4.134
N	79	79	79	79	79	79	79	79	79	79	79	79	79
RECORD YEAR	1956	1956	1956	1956	1957	1967	1967	1967	1962	1967	1918	1941	1941
RECORD MAXIMUM	9.560	9.550	9.590	9.660	10.350	10.510	11.710	12.640	12.680	12.760	16.110	19.120	32.900
NORMALIZED MAX	2.618	4.155	3.484	3.338	3.411	3.218	3.436	3.394	3.042	2.848	3.134	2.676	3.694
CALC. COEF. VAR	.408	.492	.501	.489	.500	.487	.501	.473	.453	.460	.434	.393	.445
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1925	.2333	.2597	.2728	.2844	.3042	.3202	.3476	.3862	.4148	.4904	.6574	1.0000
RP10/A	.3151	.3988	.4524	.4793	.4968	.5390	.5721	.6156	.6782	.7163	.8342	1.1149	1.5965
RP25/A	.3834	.4968	.5531	.5945	.6163	.6699	.7125	.7649	.8274	.8793	1.0143	1.3622	1.9092
RP50/A	.4326	.5684	.6434	.6775	.6997	.7643	.8138	.8726	.9383	.9960	1.1424	1.5393	2.1312
RP100/A	.4805	.6384	.7218	.7581	.7803	.8559	.9121	.9772	1.0454	1.0888	1.2656	1.7105	2.3450
RP1000/A	.6327	.8843	.9728	1.0148	1.0353	1.1477	1.2251	1.3151	1.3842	1.4455	1.6526	2.2519	3.0183
RP10000/A	.7788	1.0837	1.2151	1.2610	1.2781	1.4276	1.5253	1.6294	1.7071	1.8053	2.0182	2.7676	3.6508
PMP/A	1.5640	2.0911	2.4181	2.5844	2.6945	2.9321	3.1392	3.3460	3.5898	3.7873	4.3376	5.7752	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 7249 51	STATION NAME FILLMORE RANCHO S 39	ELEV 525	SEC 525	TWP 430	RNG LOT 3A-383	BWM 118-964	LATITUDE 34.383	LONGITUDE 118.964	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.02	3.93	4.30	4.58	4.82	5.05	5.39	5.81	6.54	6.88	8.20	10.83	16.74
5	4.49	6.14	6.81	7.28	7.62	8.09	8.70	9.31	10.26	10.71	12.53	16.56	24.14
10	5.45	7.54	8.48	9.04	9.42	10.09	10.87	11.60	12.85	13.17	15.26	20.25	28.62
20	6.35	9.06	10.06	10.70	11.10	11.95	12.91	13.74	14.87	15.46	17.78	23.68	33.13
25	6.83	9.51	10.55	11.21	11.62	12.53	13.54	14.41	15.56	16.17	18.56	24.74	34.46
40	7.21	10.45	11.58	12.28	11.87	13.74	14.85	15.79	15.90	16.52	20.16	25.26	37.20
50	7.48	10.88	12.08	12.78	13.19	14.30	15.47	16.44	17.44	18.31	20.90	27.98	38.48
100	8.31	12.23	13.53	14.30	14.71	16.01	17.33	18.41	19.66	20.39	23.16	31.07	42.34
200	9.12	13.55	14.96	15.79	16.19	17.69	19.16	20.33	21.62	22.41	25.35	34.10	46.08
1000	10.95	16.55	18.23	19.14	19.52	21.47	23.28	24.68	26.03	26.95	30.24	40.90	54.48
10000	13.47	20.75	22.77	23.79	24.09	26.71	28.99	30.69	32.10	33.20	36.93	50.27	65.91
PMP	27.06	46.04	45.31	48.75	50.79	54.86	59.67	63.03	67.51	69.64	79.37	104.90	138.56
MEAN	3.330	4.467	4.867	5.146	5.361	5.691	6.085	6.548	7.263	7.628	8.973	11.940	18.054
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.020	1.308	.988	1.044	.997	1.252	1.466	1.446	1.345	1.204	1.083	1.148	.895
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.751	4.635	3.121	3.395	3.399	4.342	5.700	5.538	5.231	4.743	4.052	3.936	3.395
N	58	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1952	1943	1943	1943	1962	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.400	11.570	11.590	12.450	13.140	15.680	19.220	20.530	21.970	22.090	24.750	31.800	36.590
NORMALIZED MAX	2.027	3.052	2.563	2.564	2.610	3.081	3.741	3.688	3.620	3.531	3.337	3.264	2.762
CALC. COEF. VAR	.455	.521	.539	.554	.554	.570	.577	.579	.559	.537	.527	.514	.442
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1645	.2474	.2696	.2850	.2969	.3152	.3371	.3627	.4023	.4225	.4970	.6614	1.0000
RP10/A	.3019	.4230	.4696	.5009	.5219	.5586	.6023	.6423	.7006	.7295	.8455	1.1216	1.5965
RP25/A	.3614	.5268	.5844	.6212	.6435	.6943	.7601	.7981	.8618	.8955	1.0280	1.3704	1.9090
RP50/A	.4116	.6028	.6678	.7079	.7306	.7921	.8567	.9104	.9551	.9773	1.1578	1.5404	2.1312
RP100/A	.4604	.6771	.7491	.7922	.8147	.8871	.9602	1.0195	1.0899	1.1293	1.2827	1.7026	2.3450
RP1000/A	.6063	.9167	1.0097	1.0604	1.0810	1.1895	1.2897	1.3869	1.4419	1.4927	1.6749	2.2855	3.0183
RP10000/A	.7463	1.1495	1.2612	1.3176	1.3345	1.4795	1.6056	1.7001	1.7782	1.8387	2.0455	2.7843	3.6508
PMP/A	1.4987	2.2179	2.5098	2.7605	2.8134	3.0387	3.3048	3.4910	3.7392	3.8973	4.3653	5.8101	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG LOT	BNH	LATITUDE	LONGITUDE	COUNTY CODE			
U03 7425 1	RIDGE ROUTE FC 409		402	2500	27	07N	10W	5	34.678	118-783 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.19	3.58	3.96	4.17	4.46	4.73	5.10	5.39	6.00	6.43	7.25	9.75	15.21
5	4.74	5.56	6.27	6.63	7.38	7.58	8.23	8.62	9.40	10.01	11.07	14.90	21.94
10	5.76	6.91	7.81	8.24	9.12	9.45	10.29	10.74	11.60	12.31	13.49	18.23	26.19
20	6.71	8.21	9.26	9.75	10.74	11.20	12.21	12.73	13.63	14.45	15.71	21.31	30.11
25	7.01	8.61	9.72	10.25	11.25	11.74	12.81	13.35	14.27	15.11	16.40	22.27	31.32
40	7.62	9.46	10.66	11.23	12.35	12.87	14.05	14.63	15.48	15.94	17.82	22.74	33.01
50	7.91	9.85	11.10	11.65	12.77	13.27	14.40	14.93	15.79	16.18	17.12	18.47	25.16
100	8.78	11.07	12.46	13.04	14.24	15.00	16.40	17.05	18.03	19.05	20.47	27.96	38.48
200	9.64	12.26	13.78	14.40	15.68	16.57	18.13	18.83	19.83	20.94	22.40	30.69	41.88
1000	11.57	14.96	16.79	17.46	18.90	20.12	22.03	22.86	23.87	25.19	26.72	36.81	45.49
PMP	28.60	36.25	41.73	44.45	49.18	51.40	56.45	58.38	61.90	65.09	70.14	94.41	125.93
MEAN	3.520	4.043	4.483	4.692	5.190	5.332	5.758	6.066	6.659	7.129	7.930	10.747	16.407
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.371	1.041	1.385	1.328	1.006	0.994	1.214	1.266	1.104	1.043	1.087	1.105	1.191
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	2.750	3.381	4.539	4.382	3.287	3.147	3.972	4.288	3.301	2.962	3.200	3.340	4.807
N	23	28	31	31	33	33	33	33	33	33	33	33	33
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1941	1941	1941
RECORD MAXIMUM	6.000	8.700	11.400	12.400	12.880	12.880	16.820	17.880	17.880	17.880	19.760	27.100	45.330
NORMALIZED MAX	1.470	2.074	2.426	2.504	2.358	2.216	2.817	2.977	2.845	2.918	2.918	2.918	3.005
CALC. COEF. VAR	.422	.555	.638	.631	.630	.638	.682	.665	.653	.671	.644	.633	.547
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.2145	.2464	.2732	.2860	.3164	.3250	.3509	.3697	.4059	.4345	.4833	.6550	1.0000
RP10/A	.3511	.4214	.4759	.5025	.5560	.5759	.6270	.6547	.7069	.7503	.8221	1.1199	1.5905
RP25/A	.4272	.5249	.5723	.5987	.6561	.6757	.7157	.7435	.7965	.8406	.9210	1.3573	1.9090
RP50/A	.4821	.6005	.6768	.7031	.7784	.8166	.8919	.9280	.9860	1.0432	1.1259	1.5338	2.1712
RP100/A	.5354	.6745	.7592	.7948	.8880	.9145	.9997	1.0392	1.0987	1.1614	1.2474	1.7044	2.3450
RP1000/A	.7051	.9132	1.0233	1.0639	1.1517	1.2262	1.3427	1.3932	1.4548	1.5351	1.6287	2.2438	3.0163
RP10000/A	.8679	1.1450	1.2782	1.3218	1.4218	1.5252	1.6738	1.7328	1.7941	1.8910	1.9851	2.7576	3.6508
PMP/A	1.7429	2.2094	2.5436	2.7054	2.9974	3.1327	3.4407	3.5584	3.7727	3.9689	4.2750	5.7544	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG LOT	BNH	LATITUDE	LONGITUDE	COUNTY CODE			
U03 7734 0	SANDBERG PAT STA		612	4025	08N	17W	5	34.743	116.712	70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.73	3.31	3.69	3.93	4.11	4.28	4.52	4.82	5.23	5.55	6.44	8.13	13.23
5	4.05	5.17	5.84	6.24	6.50	6.86	7.30	7.71	8.19	8.64	9.83	12.43	19.08
10	4.92	6.44	7.20	7.76	8.04	8.55	9.12	9.61	10.11	10.62	11.98	15.21	22.78
20	5.73	7.64	8.64	9.18	9.46	10.13	10.82	11.30	11.88	12.47	13.95	17.78	26.19
25	5.98	8.02	9.06	9.62	9.91	10.62	11.35	11.94	12.43	13.04	14.56	18.88	27.24
40	6.51	8.80	9.94	10.54	10.12	11.64	12.45	13.09	12.70	13.32	15.82	18.97	29.41
50	6.75	9.17	10.35	10.97	11.25	12.12	12.97	13.62	14.10	14.77	16.40	20.99	30.42
100	7.50	10.30	11.61	12.27	12.54	13.57	14.54	15.26	15.71	16.44	18.17	23.33	33.47
200	8.23	11.42	12.85	13.55	13.81	14.99	16.07	16.85	17.28	18.07	19.69	25.60	38.43
1000	9.67	13.95	15.65	16.43	16.44	18.20	19.52	20.45	20.87	21.74	23.72	30.71	43.05
10000	12.15	17.49	19.55	20.41	20.55	22.63	24.31	25.44	25.65	26.78	29.97	37.75	52.10
PMP	24.40	33.75	38.91	41.84	43.32	48.46	50.63	52.24	53.94	56.17	62.27	78.77	109.53
MEAN	3.003	3.765	4.180	4.415	4.572	4.822	5.102	5.428	5.803	6.152	7.040	8.966	14.272
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.088	1.127	1.185	1.025	0.938	0.796	0.840	1.015	1.129	1.075	1.005	1.299	1.669
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.392	4.193	3.964	3.828	3.644	3.237	3.054	3.551	4.051	3.884	3.834	4.354	2.527
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1971	1962	1962	1962	1962	1962	1962	1966	1962	1962	1962	1962	1962
RECORD MAXIMUM	5.810	7.990	9.510	10.080	10.370	10.560	10.910	12.330	13.610	13.670	16.650	21.540	26.150
NORMALIZED MAX	1.973	2.330	2.459	2.500	2.469	2.346	2.389	2.414	2.561	2.389	2.637	2.700	1.941
CALC. COEF. VAR	.440	.482	.521	.511	.514	.507	.545	.527	.525	.512	.518	.514	.429
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.2105	.2638	.2929	.3094	.3203	.3379	.3575	.3803	.4066	.4311	.4933	.6282	1.0000
RP10/A	.3444	.4510	.5101	.5437	.5630	.5987	.6388	.6734	.7081	.7444	.8391	1.0655	1.5955
RP25/A	.4191	.5618	.6349	.6743	.6942	.7441	.7958	.8368	.8711	.9137	1.0203	1.3018	1.9090
RP50/A	.4730	.6428	.7255	.7685	.7892	.8490	.9087	.9546	.9878	1.0350	1.1492	1.4710	2.1312
RP100/A	.5253	.7220	.8138	.8599	.8796	.9506	1.0185	1.0890	1.1523	1.2731	1.5948	2.3450	3.4540
RP1000/A	.6718	.9775	1.0979	1.1510	1.1662	1.2749	1.3680	1.4332	1.4574	1.5230	1.6624	2.1520	3.0163
RP10000/A	.8515	1.2256	1.3701	1.4303	1.4398	1.5858	1.7032	1.7826	1.7972	1.8762	2.0302	2.6448	3.6508
PMP/A	1.7099	2.3649	2.7265	2.9314	3.0352	3.2571	3.5054	3.6605	3.7793	3.9358	4.3634	5.5191	7.6750

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U03 7735 0	STATION NAME SANDERBERG W B	ELEV 611	SEC 4517	TWP 31	RNG LOT 08N 17W C	BWM S	LATITUDE 34.750	LONGITUDE 118.733	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.43	2.99	3.29	3.52	3.66	3.75	3.97	4.15	4.60	4.96	5.72	7.47	12.06
5	3.61	4.66	5.21	5.60	5.79	6.00	6.41	6.85	7.22	7.72	8.74	11.43	17.39
10	4.39	5.80	6.48	6.96	7.16	7.48	8.01	8.28	8.90	9.49	10.65	13.97	20.77
20	5.11	6.89	7.69	8.23	8.43	8.87	9.50	9.81	10.46	11.14	12.41	16.34	23.87
25	5.34	7.23	8.07	8.63	8.82	9.30	9.97	10.29	10.95	11.65	12.95	17.07	24.83
40	5.81	7.94	8.85	9.45	9.62	10.19	10.94	11.28	11.19	11.90	14.07	17.43	26.81
50	6.03	8.27	9.22	9.84	10.02	10.61	11.39	11.74	12.42	13.20	14.59	19.29	27.73
100	6.89	9.29	10.34	11.01	11.17	11.88	12.76	13.14	13.84	14.69	16.18	21.44	30.51
200	7.34	10.09	11.45	12.15	12.30	13.13	14.11	14.52	15.22	16.15	17.69	23.53	33.21
1000	8.81	12.57	13.94	14.73	14.82	15.93	17.14	17.62	18.32	19.42	21.10	28.22	39.24
10000	10.85	15.77	17.42	18.31	18.30	19.82	21.34	21.92	22.59	23.92	25.77	34.69	47.49
PMP	21.79	30.42	34.66	37.53	38.58	40.71	43.93	45.01	47.51	50.19	55.38	72.38	99.85
MEAN	2.682	3.393	3.723	3.961	4.072	4.223	4.460	4.676	5.111	5.497	6.262	8.239	13.009
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.488	1.378	1.470	1.583	1.389	1.621	1.782	1.936	1.618	1.514	1.359	1.630	1.418
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	6.336	5.371	5.860	6.618	5.577	6.868	7.977	7.003	6.842	6.242	5.064	6.501	5.587
N	35	35	35	35	35	35	35	35	35	35	35	34	35
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.700	8.000	10.300	12.000	12.000	13.600	15.400	15.300	16.900	17.000	18.600	26.700	34.500
NORMALIZED MAX	2.810	2.716	3.097	3.422	3.273	3.561	3.868	3.648	3.627	3.482	3.200	3.511	3.131
CALC. COEF. VAR	.533	.543	.571	.593	.595	.624	.635	.623	.636	.601	.616	.638	.528
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.2061	.2606	.2862	.3044	.3130	.3246	.3444	.3595	.3929	.4226	.4813	.6333	1.0000
RP10/A	.3374	.4460	.4984	.5350	.5501	.5752	.6154	.6365	.6843	.7297	.8181	1.0741	1.5965
RP25/A	.4105	.5555	.6204	.6635	.6783	.7149	.7664	.7909	.8418	.8957	1.0148	1.3123	1.9090
RP50/A	.4633	.6355	.7089	.7562	.7701	.8156	.8753	.9023	.9545	1.0146	1.1213	1.4830	2.1312
RP100/A	.5145	.7139	.7952	.8462	.8588	.9134	.9811	1.0104	1.0636	1.1295	1.2422	1.6479	2.3450
RP1000/A	.6776	.9665	1.0717	1.1327	1.1394	1.2248	1.3178	1.3547	1.4084	1.4929	1.6220	2.1695	3.0163
RP10000/A	.8340	1.2118	1.3388	1.4177	1.4067	1.5235	1.6407	1.6849	1.7367	1.8390	1.9809	2.6663	3.6508
PMP/A	1.6748	2.3393	2.6641	2.8846	2.9656	3.1291	3.3768	3.4598	3.6521	3.8580	4.2574	5.5638	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U03 7957 0	STATION NAME SANTA PAULA	ELEV 263	SEC 16	TWP 03N	RNG LOT 21W A	BWM S	LATITUDE 34.347	LONGITUDE 119.080	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.91	3.42	3.76	4.15	4.34	4.59	4.95	5.36	6.07	6.46	7.52	9.73	15.33
5	4.33	5.34	5.95	6.60	6.87	7.36	7.99	8.57	9.52	10.06	11.48	14.88	22.11
10	5.26	6.65	7.42	8.20	8.49	9.17	9.99	10.98	11.74	12.37	13.99	18.19	26.40
20	6.13	7.89	8.80	9.70	10.00	10.87	11.86	12.66	13.80	14.51	16.30	21.27	30.35
25	6.40	8.28	9.23	10.17	10.47	11.40	12.44	13.27	14.44	15.18	17.01	22.23	31.57
40	6.96	9.09	10.13	11.14	10.70	12.50	13.65	14.55	14.75	15.51	18.48	22.70	34.08
50	7.22	9.47	10.55	11.59	11.89	13.01	14.21	15.14	16.37	17.20	19.16	25.12	35.25
100	8.02	10.64	11.83	12.97	13.26	14.57	15.93	16.96	18.24	19.14	21.23	27.91	36.78
200	8.80	11.79	13.09	14.32	14.60	16.09	17.60	18.73	20.06	21.04	23.23	30.63	42.21
1000	10.56	14.41	15.95	17.36	17.59	19.53	21.39	22.73	24.16	25.30	27.72	36.75	49.69
10000	12.99	18.06	19.92	21.58	21.72	24.30	26.63	28.28	29.79	31.17	33.95	45.16	60.38
PMP	26.09	34.85	39.64	44.22	45.79	49.90	54.81	58.67	62.64	65.39	72.76	94.24	126.93
MEAN	3.212	3.888	4.258	4.667	4.833	5.176	5.590	6.033	6.739	7.162	8.226	10.727	16.539
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.936	1.447	1.364	1.915	1.852	1.689	1.767	1.733	1.906	1.839	1.562	1.421	1.022
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.397	5.218	5.697	7.562	7.091	5.555	5.884	5.785	6.507	6.073	5.029	4.480	3.290
RECORD YEAR	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD MAXIMUM	1962	1962	1962	1962	1962	1962	1962	1969	1962	1962	1969	1969	1962
NORMALIZED MAX	5.650	9.370	10.850	14.570	15.290	15.290	16.670	17.280	19.900	19.900	20.670	27.010	32.660
CALC. COEF. VAR	1.806	2.563	2.666	3.171	3.141	2.866	2.653	2.621	2.810	2.860	2.491	2.612	2.044
REGN. COEF. VAR	.473	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1942	.2351	.2574	.2822	.2922	.3130	.3380	.3648	.4075	.4330	.4974	.6466	1.0000
RP10/A	.3178	.4619	.4484	.4959	.5136	.5546	.6040	.6459	.7096	.7478	.8460	1.1000	1.5965
RP25/A	.3866	.5606	.5501	.6150	.6333	.6893	.7522	.8026	.8730	.9170	1.0287	1.3440	1.9090
RP50/A	.4364	.6270	.6378	.7009	.7190	.7864	.8591	.9156	.9899	1.0397	1.1686	1.5187	2.1312
RP100/A	.4847	.6434	.7154	.7843	.8016	.8807	.9629	1.0253	1.1030	1.1575	1.2836	1.6877	2.3450
RP1000/A	.6383	.8710	.9642	1.0499	1.0638	1.1810	1.2934	1.3746	1.4606	1.5299	1.7360	2.2219	3.0163
RP10000/A	.7857	1.0921	1.2045	1.3046	1.3133	1.4500	1.6104	1.7070	1.8011	1.8860	2.0446	2.7300	3.6508
PMP/A	1.5778	2.1073	2.3966	2.6737	2.7687	3.0171	3.3143	3.5109	3.7673	3.9536	4.3993	5.6961	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER 508 U03 1970 14	STATION NAME SANTA ROSA VALLEY	ELEV 536	SEC 275	TWP 34.236	RNO LOT 118.933	8MM 34.236	10MM 118.933	COUNTY CODE 56					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.32	2.71	3.03	3.20	3.44	3.54	3.73	4.02	4.47	4.72	5.63	7.42	11.79
5	3.45	4.23	4.80	5.05	5.44	5.68	6.03	6.43	7.00	7.34	8.59	11.34	17.00
10	4.18	5.24	5.98	6.32	6.73	7.07	7.53	8.02	8.64	9.03	10.47	13.87	26.30
20	4.88	6.24	7.10	7.48	7.93	8.38	8.94	9.50	10.19	10.68	12.20	16.22	33.33
25	5.09	6.55	7.45	7.84	8.30	8.79	9.38	9.96	10.62	11.09	12.73	16.95	24.27
40	5.54	7.19	8.17	8.59	9.08	9.64	10.29	10.92	11.65	12.13	13.83	17.31	26.20
50	5.74	7.49	8.51	8.94	9.42	10.03	10.72	11.36	12.05	12.56	14.34	19.15	27.10
100	6.38	8.42	9.55	10.00	10.50	11.23	12.01	12.73	13.42	13.95	15.88	21.28	29.82
200	7.00	9.32	10.56	11.04	11.56	12.41	13.28	14.09	14.76	15.37	17.38	23.36	32.46
1000	8.40	11.39	12.86	13.39	13.94	15.06	16.13	17.05	17.88	18.48	20.74	28.02	38.35
10000	10.34	14.29	16.07	16.63	17.21	18.74	20.09	21.22	21.92	22.77	25.33	34.43	46.42
PMF	20.77	27.56	31.98	34.09	36.27	38.48	41.34	43.58	46.09	47.76	54.44	71.86	97.59
MEAN	2.556	3.075	3.435	3.598	3.828	3.992	4.216	4.528	4.959	5.231	6.155	8.179	12.715
CLOCK HR. COR.	1.140	1.070	1.048	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.000	1.000	1.000
CALCULATED SKEW	4.700	4.000	3.700	3.500	3.300	3.100	2.900	2.700	2.500	2.300	1.900	1.500	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	3.450	6.461	5.085	4.230	3.671	3.334	3.032	2.843	2.729	2.759	2.301	2.539	4.241
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	4.700	7.860	8.810	8.810	9.260	9.260	10.010	10.010	10.470	11.160	14.930	29.120	50.00
NORMALIZED MAX	2.165	3.107	2.809	2.650	2.642	2.510	2.408	2.248	2.205	2.283	1.944	2.005	3.039
CALC. COEF. VAR	.387	.501	.557	.545	.537	.526	.497	.489	.462	.439	.417	.412	.425
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.2010	.2418	.2701	.2830	.3011	.3140	.3316	.3561	.3900	.4114	.4840	.6433	1.0000
RP10/A	.3290	.4134	.4705	.4972	.5292	.5564	.5925	.6305	.6791	.7104	.8233	1.0910	1.5965
RP25/A	.4004	.5150	.5856	.6167	.6525	.6915	.7379	.7835	.8354	.8720	1.0011	1.3330	1.9090
RP50/A	.4518	.5892	.6692	.7028	.7408	.7889	.8428	.8938	.9474	.9877	1.1275	1.5063	2.1312
RP100/A	.5018	.6618	.7507	.7864	.8262	.8835	.9466	1.0009	1.0556	1.0996	1.2492	1.6738	2.3450
RP1000/A	.5608	.8960	1.0118	1.0527	1.0961	1.1847	1.2688	1.3419	1.3978	1.4534	1.6311	2.2036	3.0163
RP10000/A	.6134	1.1233	1.2638	1.3081	1.3532	1.4736	1.5797	1.6690	1.7237	1.7904	1.9920	2.7082	3.6508
PMF/A	1.6334	2.1678	2.5150	2.6810	2.8528	3.0265	3.2512	3.4272	3.6247	3.7559	4.2812	5.6512	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. ASN ORDER 508 U03 8347 1	STATION NAME SOMIS SNYDER RANCH-54	ELEV 325	SEC 17	TWP 02N	RNO LOT 20W 8	8MM 5	10MM 34.263	15MM 118.996	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.36	2.80	3.11	3.36	3.55	3.66	3.92	4.33	4.87	5.22	6.19	8.19	12.86
5	3.50	4.37	4.92	5.34	5.61	5.90	6.34	6.93	7.64	8.12	9.45	12.53	18.55
10	4.25	5.44	6.13	6.63	6.94	7.35	7.92	8.64	9.42	9.99	11.52	15.32	22.15
20	4.95	6.46	7.27	7.85	8.17	8.71	9.40	10.23	11.07	11.73	13.42	17.91	25.46
25	5.17	6.78	7.63	8.22	8.55	9.13	9.86	10.73	11.59	12.27	14.01	18.72	26.44
40	5.63	7.44	8.37	9.01	8.74	10.01	10.91	11.76	12.64	13.33	15.21	19.11	28.59
50	5.84	7.75	8.71	9.37	9.71	10.42	11.26	12.24	13.14	13.89	15.78	21.15	29.57
100	6.48	8.71	9.77	10.49	10.83	11.67	12.62	13.71	14.64	15.47	17.48	23.50	32.54
200	7.11	9.65	10.81	11.58	11.92	12.89	13.95	15.14	16.10	17.00	19.13	25.60	35.42
1000	8.54	11.79	13.17	14.04	14.37	15.65	16.95	18.38	19.39	20.44	22.82	30.94	41.85
10000	10.51	14.78	16.46	17.45	17.74	19.47	21.11	22.86	23.91	25.18	27.87	38.03	50.66
PMF	21.10	28.52	32.75	35.75	37.40	39.98	43.44	46.94	50.27	52.83	59.90	79.38	106.50
MEAN	2.597	3.181	3.517	3.774	3.948	4.147	4.431	4.877	5.409	5.787	6.772	9.034	13.876
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.011	1.532	1.148	1.190	1.201	1.190	1.064	1.180	.801	.751	.738	.536	.750
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.666	6.576	4.369	4.780	4.957	4.969	4.205	4.911	3.373	3.421	3.057	2.578	3.578
N	78	78	78	78	78	78	78	78	78	78	78	78	78
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	5.950	8.870	8.870	10.370	10.470	11.670	11.670	13.200	12.740	13.490	15.090	19.810	32.830
NORMALIZED MAX	2.969	3.719	3.145	3.455	3.670	3.709	3.392	3.415	2.862	2.955	2.580	2.643	3.395
CALC. COEF. VAR	.425	.481	.484	.486	.485	.489	.482	.500	.474	.450	.476	.451	.402
REGION. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1872	.2293	.2535	.2720	.2845	.2989	.3193	.3515	.3898	.4170	.4880	.6510	1.0000
RP10/A	.3064	.3920	.4413	.4779	.5000	.5297	.5705	.6224	.6788	.7201	.8302	1.1041	1.5965
RP25/A	.3728	.4882	.5527	.5927	.6166	.6523	.7016	.7615	.8251	.8640	1.0014	1.3409	1.9090
RP50/A	.4207	.5587	.6279	.6755	.7000	.7510	.8116	.8823	.9470	1.0013	1.1359	1.5244	2.1312
RP100/A	.4617	.6275	.7044	.7579	.7806	.8411	.9096	.9820	1.0551	1.1147	1.2595	1.6940	2.3450
RP1000/A	.5153	.8496	.9494	1.0118	1.0357	1.1278	1.2218	1.3246	1.3972	1.4734	1.6446	2.2301	3.0163
RP10000/A	.6754	1.0652	1.1859	1.2573	1.2768	1.4028	1.5217	1.6475	1.7229	1.8150	2.0485	2.7408	3.6508
PMF/A	1.5210	2.0554	2.3599	2.5789	2.6950	2.8812	3.1308	3.3830	3.6231	3.8076	4.3167	5.7194	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY			
U03 8350 2	SOMIS 406EN RCH	375	12	02N	21W	L	S	34.269	119.034	COCK 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.49	2.98	3.24	3.52	3.78	3.94	4.14	4.46	5.26	5.69	6.74	8.77	13.74
5	3.71	4.66	5.13	5.60	5.97	6.31	6.69	7.14	8.24	8.85	10.29	13.41	19.81
10	4.50	5.79	6.39	6.96	7.39	7.86	8.36	8.90	10.17	10.89	12.54	16.40	23.85
20	5.24	6.88	7.58	8.23	8.70	9.32	9.92	10.55	11.95	12.77	14.61	19.17	27.19
25	5.48	7.22	7.95	8.63	9.11	9.77	10.41	11.06	12.51	13.36	15.25	20.03	28.29
40	5.86	7.92	8.73	9.45	9.93	10.71	11.42	12.12	12.78	13.65	16.56	20.48	30.53
50	6.18	8.26	9.09	9.83	10.34	11.15	11.86	12.52	14.18	15.14	17.17	22.64	31.58
100	6.86	9.27	10.20	11.00	11.54	12.49	13.33	14.13	15.80	16.85	19.03	25.16	34.75
200	7.53	10.28	11.26	12.14	12.70	13.80	14.73	15.61	17.38	18.52	20.82	27.61	37.82
1000	9.44	12.56	13.74	14.73	15.30	16.75	17.90	18.94	20.92	22.27	24.84	33.12	44.89
10000	11.12	15.74	17.17	18.38	18.89	20.83	22.29	23.56	25.80	27.43	30.34	40.70	54.09
PMP	22.34	30.38	34.16	37.50	39.83	42.78	45.87	48.39	54.26	57.55	65.20	84.94	113.72
MEAN	2.750	3.388	3.669	3.958	4.204	4.438	4.678	5.027	5.838	6.304	7.372	9.669	14.817
CLOCK MR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.547	1.519	1.124	1.036	1.193	1.368	1.471	1.280	1.048	0.880	0.915	0.688	0.752
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	5.875	6.485	5.070	3.910	5.351	5.586	6.299	5.609	4.563	3.844	3.930	2.805	3.657
N	57	57	61	64	66	66	67	67	67	67	67	67	67
RECORD YEAR	1956	1943	1943	1943	1962	1969	1969	1969	1962	1962	1969	1969	1969
RECORD MAXIMUM	8.570	9.530	9.980	9.980	11.070	11.320	12.870	12.870	14.940	14.940	17.240	20.770	32.480
NORMALIZED MAX	2.767	3.569	3.513	3.258	3.462	3.152	3.591	3.318	3.318	3.055	3.009	2.688	3.196
CALC. COEF. VAR	.504	.508	.490	.467	.472	.492	.488	.470	.472	.451	.445	.426	.4373
REGM. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1856	.2287	.2476	.2671	.2837	.2995	.3157	.3393	.3940	.4254	.4975	.6525	1.0000
RP10/A	.3037	.3910	.4313	.4694	.4987	.5308	.5642	.6008	.6861	.7346	.8463	1.1067	1.5965
RP25/A	.3656	.4670	.5178	.5648	.5978	.6368	.6787	.7245	.8441	.9018	1.0291	1.3521	1.9090
RP50/A	.4171	.5572	.6134	.6635	.6981	.7526	.8025	.8516	.9571	1.0215	1.1590	1.5279	2.1312
RP100/A	.4632	.6259	.6881	.7424	.7785	.8429	.8995	.9537	1.0655	1.1372	1.2840	1.6979	2.3450
RP1000/A	.6100	.8474	.9274	.9938	1.0329	1.1302	1.2082	1.2786	1.4122	1.5031	1.6766	2.2953	3.0163
RP10000/A	.7508	1.0625	1.1585	1.2349	1.2752	1.4059	1.5043	1.5903	1.7415	1.8516	2.0476	2.7472	3.6508
PMP/A	1.5078	2.0501	2.3054	2.5310	2.6884	2.8874	3.0959	3.2655	3.6621	3.8843	4.4407	5.7326	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U03 8784 6	STATION NAME TAPO WATER CD-SIMI	ELEV 62	SEC 1080	TWP	RNG	LOT	BWM	LATITUDE 34.298	LONGITUDE 118.721	COUNTY COCK 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	2.53	3.06	3.34	3.58	3.78	3.87	4.10	4.44	5.08	5.36	6.29	8.36	13.38
5	3.76	4.77	5.28	5.69	5.98	6.20	6.62	7.11	7.96	8.34	9.61	12.79	19.30
10	4.57	5.94	6.58	7.07	7.39	7.72	8.27	8.86	9.81	10.26	11.71	15.04	23.05
20	5.33	7.05	7.80	8.37	8.71	9.15	9.82	10.50	11.54	12.04	13.64	18.29	26.49
25	5.58	7.40	8.19	8.77	9.11	9.60	10.30	11.01	12.07	12.59	14.24	19.11	27.56
40	6.05	8.12	8.96	9.61	9.91	10.52	11.30	12.07	13.24	13.86	15.47	19.51	29.75
50	6.28	8.46	9.36	10.00	10.35	10.95	11.77	12.56	13.69	14.27	16.04	21.59	30.76
100	6.97	9.50	10.50	11.19	11.54	12.27	13.19	14.08	15.26	15.88	17.77	24.00	33.85
200	7.65	10.53	11.61	12.35	12.70	13.55	14.58	15.54	16.78	17.45	19.45	26.34	36.95
1000	9.16	12.87	14.15	14.97	15.31	16.45	17.72	18.86	20.20	20.99	23.20	31.59	43.54
10000	11.30	16.13	17.67	18.61	18.90	20.46	22.06	23.45	24.91	25.86	28.34	38.03	52.70
PMP	22.69	31.13	35.17	38.14	39.85	42.02	45.40	48.16	52.38	54.24	60.90	81.02	110.79
MEAN	2.793	3.473	3.777	4.025	4.206	4.359	4.630	5.003	5.636	5.941	6.885	9.222	14.435
CLOCK MR. CDR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000
CALCULATED SKEW	.738	1.430	1.132	.934	.818	.815	.807	.724	.748	.652	.845	.990	1.258
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	3.132	5.785	3.949	3.262	3.084	3.011	2.894	2.689	2.711	2.466	3.017	3.498	5.030
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1956	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941	1941
RECORD MAXIMUM	4.920	8.860	9.340	9.340	9.340	9.340	9.720	10.460	10.460	11.800	11.800	15.170	21.380
NORMALIZED MAX	1.831	3.087	2.709	2.447	2.310	2.236	2.361	2.264	2.243	2.110	2.242	2.746	3.320
CALC. COEF. VAR	.416	.503	.544	.540	.527	.527	.529	.521	.488	.467	.469	.480	.426
REGM. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1935	.2406	.2617	.2788	.2914	.3028	.3207	.3466	.3904	.4116	.4770	.6389	1.0000
RP10/A	.3167	.4113	.4558	.4900	.5121	.5352	.5731	.6138	.6799	.7107	.8113	1.0835	1.5965
RP25/A	.3853	.5123	.5673	.6077	.6314	.6651	.7138	.7627	.8364	.8762	.9865	1.3238	1.9090
RP50/A	.4349	.5882	.6492	.6926	.7169	.7508	.8152	.8701	.9485	.9882	1.1111	1.4959	2.1312
RP100/A	.4829	.6696	.7271	.7750	.7999	.8498	.9137	.9743	1.0588	1.1002	1.2311	1.6423	2.3450
RP1000/A	.6260	.8914	.9600	1.0374	1.0607	1.1399	1.2273	1.3093	1.3994	1.4542	1.6073	2.1885	3.0163
RP10000/A	.7828	1.1177	1.2242	1.2890	1.3095	1.4174	1.5281	1.6247	1.7257	1.7913	1.9630	2.6866	3.6508
PMP/A	1.5721	2.1566	2.4361	2.6419	2.7608	2.9111	3.1449	3.3362	3.6209	3.7578	4.2188	5.6126	7.6750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR 003 8905 0	STATION NAME THOUSAND OAKS 128	ELEV 539	SEC 810	TWP 11	RNG LOT 01N 19W N	BWM 5	LATITUDE 34.179	LONGITUDE 118.849	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.75	3.37	3.82	4.09	4.28	4.46	4.74	5.04	5.63	5.82	6.92	8.86	13.29
5	4.09	5.26	6.04	6.50	6.76	7.15	7.66	8.05	8.82	9.05	10.57	13.56	16.16
10	4.96	6.54	7.53	8.08	8.36	8.90	9.57	10.04	10.88	11.13	12.88	16.58	22.88
20	5.79	7.76	8.93	9.56	9.85	10.55	11.36	11.90	12.79	13.07	15.01	19.39	26.30
25	6.04	8.14	9.37	10.03	10.31	11.07	11.92	12.48	13.34	13.67	15.66	20.26	27.36
40	6.57	8.94	10.28	10.98	10.54	12.13	13.07	13.68	13.68	13.96	17.02	20.68	29.54
50	6.82	9.32	10.71	11.43	11.3	12.53	13.58	14.18	14.18	14.47	17.64	22.89	30.55
100	7.57	10.47	12.01	12.79	13.06	14.14	15.25	15.94	16.91	17.24	19.55	25.44	33.61
200	8.31	11.80	13.29	14.11	14.37	15.62	16.86	17.61	18.60	18.94	21.39	27.92	36.58
1000	9.97	14.17	16.19	17.11	17.32	18.96	20.49	21.38	22.40	22.78	25.52	33.49	43.23
10000	12.27	17.77	20.22	21.27	21.38	23.59	25.51	26.59	27.62	28.06	31.17	41.16	52.33
PMP	24.85	34.28	40.24	43.58	45.08	48.44	52.51	54.59	58.08	58.87	66.99	85.88	110.00
MEAN	3.033	3.824	4.323	4.600	4.758	5.025	5.355	5.672	6.249	6.448	7.574	9.776	14.333
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.477	1.420	1.369	1.267	1.262	1.176	1.239	1.197	1.330	1.258	1.081	1.008	1.032
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.000	1.000	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.100	1.100	1.100	1.000	1.100	1.000
KURTOSIS	2.717	2.587	2.204	2.403	2.190	3.337	5.563	5.191	5.537	5.124	4.838	6.821	3.856
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1956	1969	1969	1968	1968	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.170	7.280	8.250	9.510	9.510	12.680	16.260	17.140	18.320	18.320	20.680	28.160	31.740
NORMALIZED MAX	1.607	1.876	1.712	1.935	1.835	2.682	3.324	3.249	3.299	3.220	3.147	3.496	2.444
CALC. COEF. VAR	1.457	1.482	1.531	1.552	1.544	1.572	1.611	1.622	1.586	1.572	1.550	1.538	1.459
REGION. COEF. VAR	1.475	1.531	1.554	1.565	1.565	1.576	1.587	1.575	1.553	1.542	1.523	1.519	1.445
USED COEF. VAR	1.475	1.531	1.554	1.565	1.565	1.576	1.587	1.575	1.553	1.542	1.523	1.519	1.445
MEAN/A	2.116	2.668	3.016	3.209	3.320	3.506	3.736	3.957	4.360	4.499	5.284	6.821	1.0000
RP10/A	3.464	4.562	5.253	5.640	5.835	6.213	6.676	7.008	7.593	7.769	8.898	11.588	1.5965
RP25/A	4.215	5.683	6.538	6.996	7.194	7.722	8.315	8.708	9.340	9.536	10.929	14.134	1.9090
RP50/A	4.757	6.501	7.471	7.972	8.168	8.690	9.496	9.933	10.592	10.802	12.310	15.971	2.1312
RP100/A	5.283	7.303	8.381	8.920	9.109	9.866	10.643	11.124	11.901	12.025	13.637	17.748	2.3450
RP1000/A	6.957	9.887	11.295	11.940	12.085	13.229	14.296	14.854	15.627	15.894	17.807	23.385	3.0163
RP10000/A	8.583	12.397	14.109	14.837	14.920	16.858	17.800	18.549	19.271	19.580	21.747	28.715	3.6508
PMP/A	1.7196	2.3920	2.8077	3.0408	3.1454	3.3798	3.6633	3.8891	4.0524	4.1075	4.6739	5.9921	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR 003 9182 5	STATION NAME UPPER OJAI-SUMMIT FS 65A		ELEV 1540	SEC 12	TWP 04N	RNG LOT 22W P	BWM 5	LATITUDE 34.438	LONGITUDE 119.140	COUNTY CODE 56			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.90	4.87	5.38	5.79	6.26	6.52	7.02	7.41	8.39	8.87	10.16	13.53	20.77
5	5.79	7.60	8.51	9.20	9.90	10.44	11.34	11.88	13.16	13.80	15.52	20.69	29.96
10	7.04	9.03	10.40	11.43	12.24	13.01	14.16	14.77	16.23	16.97	18.91	25.30	35.77
20	8.19	11.23	12.58	13.53	14.42	15.42	16.81	17.50	19.08	19.92	22.03	29.58	41.12
25	8.56	11.78	13.20	14.18	15.09	16.17	17.64	18.36	19.97	20.83	22.99	30.91	42.77
40	9.31	12.94	14.48	15.53	16.43	17.73	19.35	20.12	22.60	21.28	24.97	31.57	46.17
50	9.66	13.48	15.08	16.16	17.14	18.45	20.15	20.94	23.44	22.60	25.89	34.93	47.75
100	10.72	15.14	16.92	18.08	19.11	20.67	22.58	23.45	25.23	26.27	28.49	38.82	52.54
200	11.77	16.78	18.72	19.96	21.04	22.83	24.96	25.90	27.74	28.87	31.40	42.60	57.19
1000	14.12	20.50	22.80	24.20	25.36	27.71	30.33	31.44	33.40	34.72	37.48	51.11	67.58
10000	17.38	25.71	28.48	30.07	31.30	34.47	37.78	39.10	41.19	42.77	45.75	62.81	81.80
PMP	34.91	49.80	56.68	61.84	66.00	70.79	77.72	80.36	86.62	89.73	98.32	131.08	171.97
MEAN	4.297	5.533	6.088	6.505	6.965	7.344	7.927	8.342	9.319	9.828	11.116	14.919	22.406
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.345	1.615	1.411	1.263	1.227	1.847	1.841	1.818	1.752	1.820	1.665	1.893	1.367
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.861	6.254	5.235	4.488	4.414	6.349	7.356	7.195	6.608	5.940	6.420	7.885	4.780
N	44	45	45	45	45	45	45	45	45	45	45	45	47
RECORD YEAR	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	8.780	14.800	16.610	17.290	17.750	22.690	27.240	27.867	29.270	29.440	34.390	49.730	56.560
NORMALIZED MAX	2.294	3.267	3.198	2.967	2.714	3.517	3.844	3.815	3.709	3.801	3.768	3.979	3.125
CALC. COEF. VAR	1.455	1.513	1.540	1.559	1.571	1.554	1.634	1.613	1.577	1.554	1.556	1.586	1.488
REGION. COEF. VAR	1.475	1.531	1.554	1.565	1.565	1.576	1.587	1.575	1.553	1.542	1.523	1.519	1.445
USED COEF. VAR	1.475	1.531	1.554	1.565	1.565	1.576	1.587	1.575	1.553	1.542	1.523	1.519	1.445
MEAN/A	1.918	2.469	2.717	2.903	3.109	3.278	3.538	3.723	4.159	4.386	4.991	6.658	1.0000
RP10/A	3.139	4.222	4.733	5.102	5.464	5.808	6.321	6.593	7.243	7.574	8.439	11.292	1.5965
RP25/A	3.819	5.259	5.891	6.328	6.737	7.219	7.873	8.193	8.911	9.297	10.621	13.797	1.9090
RP50/A	4.310	6.017	6.731	7.212	7.648	8.236	8.892	9.346	10.105	10.531	11.556	15.551	2.1312
RP100/A	4.786	6.759	7.551	8.070	8.516	9.193	9.908	10.456	11.259	11.724	12.883	17.326	2.3450
RP1000/A	6.303	9.150	10.177	10.802	11.317	12.368	13.537	14.031	14.969	15.497	16.712	22.809	3.0163
RP10000/A	7.758	11.473	12.712	13.422	13.971	15.384	16.854	17.452	18.385	19.070	20.417	28.032	3.6508
PMP/A	1.5580	2.2139	2.5297	2.7509	2.9454	3.1596	3.4687	3.5937	3.8660	4.0047	4.3879	5.8495	7.6750

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
U03 9618 0	WHEELER SP 7 N	541	4150	21	06N 23W	S	34.597	119.325	56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.81	5.03	5.41	5.70	6.22	6.19	6.50	7.28	7.95	8.36	10.00	13.58	21.60
5	5.67	7.86	8.56	9.06	9.84	9.91	10.49	11.66	12.44	13.01	15.28	20.78	31.15
10	6.88	9.78	10.67	11.28	12.17	12.35	13.11	14.53	15.37	16.00	18.61	25.41	37.19
20	8.02	11.00	12.65	13.32	14.34	14.64	15.56	17.21	18.07	18.77	21.68	29.71	42.75
25	8.37	12.18	13.28	13.96	15.01	15.35	16.33	18.05	18.90	19.64	22.83	31.04	44.47
40	9.11	13.37	14.57	15.29	16.34	16.83	17.91	19.79	20.66	21.46	24.59	31.70	48.11
50	9.45	13.93	15.17	15.91	17.04	17.52	18.64	20.59	21.44	22.24	25.49	35.08	49.05
100	10.49	15.65	17.02	17.81	19.00	19.62	20.90	23.06	23.69	24.76	28.24	38.98	54.63
200	11.52	17.34	18.83	19.68	20.91	21.67	23.11	25.47	26.27	27.22	30.91	42.78	59.47
1000	13.82	21.19	22.94	23.84	25.21	26.30	28.08	30.92	31.43	32.73	36.88	51.32	70.27
10000	17.01	26.57	28.65	29.62	31.12	32.72	34.96	38.44	39.01	40.32	45.04	63.07	85.05
PMP	34.16	51.26	57.01	60.71	65.62	67.20	71.95	78.97	82.02	84.59	96.79	131.62	178.81
MEAN	4.205	5.718	6.124	6.407	6.925	6.971	7.338	8.205	8.824	9.265	10.943	14.982	23.297
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.539	1.893	1.801	1.638	1.331	1.475	1.371	1.456	1.263	1.119	1.033	1.236	1.243
REGIONAL SKEW	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.946	9.089	8.032	6.445	4.974	5.557	4.982	4.885	4.393	3.758	3.169	4.040	4.149
N	42	41	41	41	42	41	41	42	41	41	43	43	43
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	9.560	17.560	19.680	19.880	20.170	20.800	20.870	22.780	22.590	22.720	24.700	39.380	58.320
NORMALIZED MAX	2.645	3.731	3.721	3.794	3.155	3.281	3.351	3.843	3.779	3.697	3.899	3.899	3.899
CALC. COEF. VAR	.500	.555	.594	.604	.606	.608	.585	.625	.562	.553	.533	.562	.493
REGN. COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
USED COEF. VAR	.475	.531	.554	.565	.565	.576	.587	.575	.553	.542	.523	.519	.445
MEAN/A	.1805	.2454	.2629	.2750	.2973	.2992	.3150	.3522	.3768	.3977	.4697	.6431	1.0000
RP10/A	.2954	.4196	.4570	.4833	.5225	.5302	.5628	.6236	.6596	.6867	.7790	1.0706	1.5965
RP25/A	.3594	.5227	.5699	.5944	.6599	.6709	.7049	.7749	.8115	.8429	.9715	1.3325	1.9090
RP50/A	.4056	.5980	.6512	.6831	.7314	.7518	.8005	.8840	.9202	.9548	1.0942	1.5058	2.1312
RP100/A	.4505	.6718	.7305	.7644	.8156	.8420	.8972	.9899	1.0253	1.0630	1.2123	1.6732	2.3450
RP1000/A	.5933	.9055	.9845	1.0232	1.0922	1.1290	1.2052	1.3272	1.3577	1.4050	1.5829	2.2029	3.0163
RP10000/A	.7302	1.1403	1.2298	1.2715	1.3660	1.4049	1.5005	1.6743	1.7307	1.8143	2.1073	3.0508	4.1547
PMP/A	1.4604	2.2003	2.4472	2.6059	2.8165	2.8844	3.0882	3.3896	3.5207	3.6307	4.1547	5.6494	7.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U04 4706 11	STATION NAME LAKE SHERWOOD	ELEV 1218	SEC 990	TWP 28	RNG LOT 01N 19W 0	BWM S	LATITUDE 34.141	LONGITUDE 118.876	COUNTY CODE 56				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	YEAR
2	3.29	4.11	4.56	4.93	5.27	5.44	5.87	6.22	6.81	7.22	8.68	11.51	17.98
5	4.95	6.33	7.08	7.62	8.10	8.38	9.03	9.51	10.36	10.90	12.85	17.24	25.37
10	6.04	7.84	8.77	9.39	9.93	10.30	11.10	11.66	12.65	13.26	15.49	20.93	30.05
20	7.07	9.28	10.38	11.04	11.62	12.10	13.04	13.68	14.78	15.48	17.93	24.35	34.38
25	7.39	9.74	10.85	11.55	12.15	12.67	13.64	14.31	15.44	16.15	18.88	25.42	35.69
40	8.05	10.68	11.88	12.62	13.40	13.83	14.89	15.51	16.76	17.48	20.22	25.94	38.42
50	8.35	11.12	12.37	13.12	13.74	14.37	15.46	16.22	17.44	18.21	20.94	26.63	39.69
100	9.29	12.47	13.84	14.64	15.27	16.03	17.26	18.07	19.37	20.20	23.12	31.74	43.55
200	10.21	13.80	15.29	16.12	16.77	17.64	19.00	19.88	21.25	22.15	25.23	34.77	47.29
1000	12.28	16.83	18.57	19.47	20.13	21.30	22.93	23.97	25.47	26.51	29.95	41.57	55.68
10000	15.15	21.07	23.14	24.11	24.76	26.35	28.37	29.62	31.28	32.52	36.41	50.94	67.10
PMP	30.58	40.53	45.80	49.03	51.75	53.52	57.60	60.03	65.18	67.56	77.39	105.55	139.68
MEAN	3.636	4.645	5.135	5.496	5.821	6.061	6.535	6.916	7.497	7.934	9.421	12.618	19.293
CLOCK MR. COR.	1.140	1.070	1.040	1.030	1.030	1.020	1.010	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.843	2.026	1.524	1.201	1.086	1.063	1.573	1.551	1.594	1.504	1.205	1.276	.811
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	7.019	8.739	5.974	4.273	3.920	4.822	5.712	5.680	5.805	5.481	4.706	4.983	3.022
N	33	33	33	33	33	33	33	33	33	33	32	32	35
RECORD YEAR	1943	1943	1943	1943	1943	1949	1949	1949	1949	1949	1949	1949	1941
RECORD MAXIMUM	9.340	14.700	15.160	15.260	15.600	17.090	20.930	21.21	22.850	23.070	25.910	34.100	41.580
NORMALIZED MAX	2.756	3.459	3.159	2.638	2.728	2.762	3.165	3.184	3.240	3.199	3.096	3.150	2.438
CALC. COEF. VAR	.569	.626	.618	.626	.616	.659	.692	.649	.632	.597	.565	.540	.474
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.481	.416
MEAN/A	.1885	.2408	.2662	.2849	.3017	.3142	.3387	.3585	.3886	.4172	.4883	.6541	1.0000
RP10/A	.3133	.4405	.4944	.5365	.5746	.5940	.6573	.6945	.7559	.8031	.9047	1.1576	1.5576
RP25/A	.3826	.5046	.5625	.5989	.6296	.6565	.7071	.7416	.8004	.8369	.9681	1.3174	1.6498
RP50/A	.4330	.5763	.6409	.6800	.7120	.7449	.8022	.8405	.9038	.9438	1.0854	1.4061	2.0575
RP100/A	.4817	.6465	.7174	.7597	.7916	.8245	.8945	.9365	1.0039	1.0439	1.1982	1.5139	2.0574
RP1000/A	.6367	.8726	.9626	1.0092	1.0435	1.1038	1.1884	1.2422	1.3202	1.3741	1.5525	2.1549	2.6849
RP10000/A	.7855	1.0923	1.1993	1.2545	1.2834	1.3656	1.4703	1.5355	1.6215	1.6855	1.9874	2.6403	3.4781
PMP/A	1.5850	2.1009	2.3742	2.5413	2.6825	2.7742	2.9858	3.1116	3.3787	3.5018	4.0114	5.4712	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 004 8967 0	STATION NAME TOPANOA PAT STA FC6	ELEV 745	SEC 18	TMP 015	RNO LOT 16W F	BWM S	LATITUDE 34.084	LONGITUDE 118.599	COUNTY CODE 76				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.30	5.34	6.03	6.49	6.56	7.10	7.66	8.06	8.92	9.56	10.96	14.52	22.29
5	6.48	8.24	9.36	10.03	10.08	10.92	11.78	12.31	13.58	14.43	16.23	21.75	31.46
10	7.91	10.21	11.58	12.35	12.35	13.43	14.48	15.09	16.58	17.57	19.57	26.40	37.26
20	9.25	12.08	13.67	14.53	14.46	15.78	17.01	17.70	19.37	20.48	22.64	30.73	42.60
25	9.67	12.67	14.33	15.20	15.11	16.51	17.79	18.52	20.24	21.38	23.59	32.07	44.25
40	10.53	13.89	15.69	16.61	15.43	18.03	19.43	20.20	22.66	21.83	25.54	32.73	47.64
100	14.10	18.97	16.33	17.28	16.33	22.03	22.85	24.24	27.22	26.45	30.13	39.22	54.22
100	12.17	16.23	18.28	19.26	19.00	20.89	22.51	23.38	25.38	26.76	29.20	40.05	54.60
200	13.37	17.96	20.19	21.21	20.88	23.00	24.78	25.73	27.84	29.33	31.87	43.87	58.64
1000	16.09	21.91	24.53	25.62	25.05	27.76	29.91	31.92	33.38	35.11	37.83	52.45	69.01
10000	19.84	27.42	30.56	31.72	30.90	34.33	37.00	38.34	40.99	43.07	45.99	64.27	83.20
PMP	40.04	52.75	60.50	64.52	64.39	69.76	75.14	77.69	85.42	89.48	97.75	133.18	173.19
MEAN	4.761	6.045	6.782	7.233	7.243	7.901	8.524	8.951	9.824	10.509	11.899	15.921	23.921
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.469	1.530	1.115	1.069	1.101	1.202	1.435	1.417	1.450	1.298	1.273	1.115	1.040
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
KURTOSIS	5.530	5.574	3.607	3.527	3.758	4.029	5.346	5.395	5.591	4.893	4.868	4.399	3.849
RECORD YEAR	1943	1943	1943	1962	1962	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	12.440	16.470	17.370	18.410	19.570	21.460	27.200	28.550	31.440	31.620	34.760	44.140	54.600
NORMALIZED MAX	2.888	2.922	2.550	2.562	2.880	2.704	3.451	3.480	3.509	3.358	3.417	3.305	1.840
CALC. COEF. VAR	.559	.590	.410	.503	.589	.611	.635	.630	.627	.599	.562	.536	.441
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1990	.2527	.2835	.3024	.3028	.3363	.3563	.3742	.4167	.4393	.4974	.6656	1.0000
RP10/A	.3308	.4267	.4840	.5164	.5163	.5614	.6052	.6310	.6932	.7344	.8182	1.1038	1.5576
RP25/A	.4043	.5287	.5991	.6518	.6502	.7042	.7491	.7741	.8459	.8943	.9862	1.3406	1.8408
RP50/A	.4573	.6049	.6827	.7216	.7144	.7831	.8439	.8773	.9553	1.0082	1.1057	1.5102	2.0575
RP100/A	.5087	.6785	.7642	.8052	.7943	.8733	.9410	.9776	1.0610	1.1187	1.2207	1.6742	2.2574
RP1000/A	.6725	.9159	1.0254	1.0710	1.0471	1.1604	1.2502	1.2966	1.3953	1.4679	1.5816	2.1928	2.8849
RP10000/A	.8295	1.1465	1.2775	1.3261	1.2878	1.4359	1.5468	1.6027	1.7138	1.8006	1.9228	2.6867	3.4781
PMP/A	1.6739	2.2051	2.5291	2.6971	2.6917	2.9165	3.1411	3.2479	3.5711	3.7408	4.0865	5.5674	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 14 0	STATION NAME ACTON ESCONDIDO CANYON	ELEV 2940	SEC 30	TMP 05N	RNO LOT 13W	BWM A	LATITUDE 34.492	LONGITUDE 118.275	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.57	1.89	2.18	2.31	2.40	2.52	2.72	2.94	3.34	3.69	4.17	5.47	9.22
5	2.37	2.91	3.38	3.57	3.69	3.89	4.18	4.50	5.09	5.56	6.18	8.19	13.01
10	2.89	3.60	4.18	4.40	4.52	4.78	5.14	5.51	6.22	6.77	7.45	9.94	15.41
20	3.38	4.26	4.94	5.18	5.30	5.61	6.03	6.47	7.26	7.89	8.62	11.57	17.61
25	3.54	4.47	5.18	5.42	5.54	5.87	6.31	6.76	7.59	8.24	8.98	12.08	18.30
40	3.85	4.90	5.67	5.92	5.95	6.41	6.89	7.38	8.75	9.41	9.73	12.32	19.70
50	4.00	5.11	5.90	6.15	6.26	6.66	7.16	7.67	8.97	9.30	10.07	13.60	20.35
100	4.45	5.73	6.60	6.86	6.96	7.43	7.99	8.54	9.52	10.31	11.12	15.08	22.33
200	4.89	6.34	7.29	7.56	7.64	8.18	8.79	9.40	10.44	11.31	12.14	16.52	24.25
1000	5.88	7.73	8.86	9.13	9.17	9.87	10.61	11.33	12.51	13.53	14.41	19.75	28.54
10000	7.26	9.68	11.04	11.31	11.28	12.22	13.13	14.00	15.37	16.60	17.52	24.20	34.40
PMP	14.65	18.61	21.85	22.99	23.58	24.82	26.66	28.36	32.02	34.49	37.23	50.15	71.61
MEAN	1.741	2.133	2.450	2.578	2.653	2.811	3.024	3.269	3.683	4.051	4.532	5.995	9.891
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.543	1.500	1.121	.926	.865	1.019	.913	.908	.750	.819	.847	1.239	1.107
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.915	5.894	4.325	3.660	3.408	3.677	3.219	3.316	2.734	2.728	2.868	3.665	3.759
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1969	1941	1969	1941
RECORD MAXIMUM	4.300	5.730	6.390	6.410	6.470	7.050	7.130	7.690	8.560	9.070	9.440	12.490	22.850
NORMALIZED MAX	2.603	2.930	2.767	2.663	2.575	2.544	2.298	2.358	2.141	1.997	2.186	2.348	2.576
CALC. COEF. VAR	.564	.576	.581	.556	.559	.593	.591	.573	.572	.557	.549	.618	.509
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1761	.2156	.2477	.2606	.2682	.2842	.3057	.3305	.3724	.4095	.4582	.6061	1.0000
RP10/A	.3841	.4841	.5528	.5779	.5874	.6274	.6704	.7054	.8285	.8847	.9756	1.2829	1.5576
RP25/A	.4576	.5519	.6234	.6479	.6596	.6938	.7381	.7750	.8861	.9399	1.0105	1.2209	1.8498
RP50/A	.4945	.5911	.6655	.6922	.6929	.7321	.7721	.8061	.9222	.9722	1.0422	1.2222	2.2574
RP100/A	.5450	.6790	.7677	.8040	.7936	.8513	.8974	.9355	.9620	1.0422	1.1244	1.5247	2.2574
RP1000/A	.5948	.7815	.8958	.9232	.9275	.9903	1.0727	1.1454	1.2651	1.3684	1.4568	1.9977	2.8849
RP10000/A	.7338	.9782	1.1161	1.1430	1.1467	1.2353	1.3272	1.4157	1.5538	1.6785	1.7711	2.4468	3.4781
PMP/A	1.4807	1.8815	2.2096	2.3247	2.3843	2.5091	2.6951	2.8690	3.2377	3.4872	3.7641	5.0702	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 115 0	STATION NAME ALISO CANYON OAT MTN	ELEV 2367	SEC 34	TWP 03N	RNG LOT 16W	8MM 5	LATITUDE 34.315	LONGITUDE 118.557	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.40	4.41	4.94	5.44	5.69	6.12	6.70	7.20	8.00	8.51	10.06	12.62	20.65
5	5.13	6.80	7.67	8.41	8.75	9.42	10.30	11.00	12.19	12.84	14.91	18.91	29.14
10	6.26	8.43	9.48	10.36	10.72	11.58	12.67	13.49	14.68	15.63	17.97	22.96	34.52
20	7.32	9.97	11.20	12.18	12.55	13.61	14.88	15.82	17.38	18.22	20.79	26.71	39.46
25	7.65	10.46	11.74	12.75	13.12	14.24	15.57	16.55	18.16	19.03	21.66	27.88	40.99
40	8.34	11.47	12.86	13.92	14.40	15.55	16.99	18.05	19.84	19.42	23.45	28.45	44.13
50	8.66	11.95	13.38	14.44	14.84	16.16	17.66	18.76	20.51	21.46	24.28	31.41	45.59
100	9.63	13.40	14.98	16.15	16.50	18.02	19.69	20.96	22.78	23.81	26.81	34.02	50.02
200	10.58	14.83	16.54	17.78	18.12	19.84	21.68	22.90	24.99	26.10	29.26	38.14	54.32
1000	12.73	18.09	20.09	21.48	21.75	23.94	26.16	27.72	29.95	31.25	34.74	45.61	63.93
10000	15.70	22.64	25.03	26.59	26.75	29.63	32.37	34.26	36.79	38.33	42.23	55.88	77.07
PMP	31.68	43.55	49.56	54.09	55.91	60.17	65.73	69.43	76.66	79.62	89.75	115.79	160.43
MEAN	3.767	4.991	5.556	6.064	6.289	6.815	7.457	7.999	8.816	9.351	10.926	13.842	22.160
CLOCK HR. COR.	1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.058	.998	.810	.712	.794	.820	1.107	1.134	1.171	1.164	.835	1.014	.655
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.519	3.145	2.645	2.275	2.540	2.619	3.463	3.517	3.750	3.674	2.871	3.550	2.622
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1966	1964	1962	1962	1962	1969	1969	1969	1969	1969	1969	1958
RECORD MAXIMUM	7.170	10.070	11.520	12.810	14.330	14.900	19.170	19.600	21.480	21.970	23.720	32.200	41.320
NORMALIZED MAX	1.731	1.824	1.843	1.787	2.003	1.925	2.357	2.250	2.315	2.338	2.177	2.435	1.957
CALC. COEF. VAR	.522	.558	.582	.623	.638	.617	.666	.644	.620	.577	.538	.547	.442
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1700	.2252	.2507	.2736	.2838	.3075	.3365	.3610	.3979	.4220	.4930	.6247	1.0000
RP10/A	.2826	.3803	.4280	.4673	.4840	.5227	.5715	.6087	.6715	.7055	.8109	1.0359	1.5576
RP25/A	.3453	.4721	.5298	.5753	.5922	.6426	.7025	.7468	.8195	.8587	.9775	1.2593	1.8498
RP50/A	.3706	.5391	.6037	.6531	.6697	.7291	.7970	.8484	.9254	.9684	1.0959	1.4175	2.0575
RP100/A	.4245	.6047	.6758	.7287	.7446	.8131	.8887	.9431	1.0278	1.0745	1.2099	1.5714	2.2574
RP1000/A	.5744	.8163	.9068	.9693	.9815	1.0805	1.1807	1.2509	1.3517	1.4100	1.5676	2.0581	2.8849
RP10000/A	.7086	1.0218	1.1297	1.2001	1.2071	1.3369	1.4608	1.5461	1.6602	1.7295	1.9658	2.5216	3.4781
PMP/A	1.4298	1.9653	2.2365	2.4408	2.5230	2.7154	2.9664	3.1393	3.4593	3.5932	4.0504	5.2254	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 1057 1	STATION NAME BREA UNION OIL	ELEV 375	SEC	TWP	RNG LOT	8MM	LATITUDE 33.930	LONGITUDE 117.915	COUNTY CODE 30
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	2.40	2.94	3.17	3.38	3.62	3.86	4.12	4.37	4.74
5	3.62	4.53	4.92	5.22	5.54	5.88	6.25	6.59	7.07
10	4.41	5.62	6.08	6.43	6.81	7.19	7.57	7.95	8.54
20	5.16	6.65	7.18	7.56	7.94	8.32	8.70	9.08	9.77
25	5.39	6.97	7.53	7.91	8.29	8.67	9.05	9.43	10.12
40	5.87	7.65	8.25	8.64	8.99	9.34	9.69	10.04	10.73
50	6.10	7.96	8.58	8.98	9.33	9.68	10.03	10.38	11.07
100	6.79	8.93	9.60	10.02	10.37	10.72	11.07	11.42	12.11
200	7.46	9.88	10.61	11.04	11.39	11.74	12.09	12.44	13.13
1000	8.97	12.05	12.89	13.33	13.68	14.03	14.38	14.73	15.42
10000	11.06	15.09	16.06	16.50	16.85	17.20	17.55	17.90	18.59
PMP	22.33	29.02	31.76	33.56	35.36	37.16	38.96	40.76	43.55
MEAN	2.655	3.326	3.563	3.763	3.963	4.163	4.363	4.563	4.863
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.920	1.292	.958	.782	1.210	1.210	1.210	1.210	1.210
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100
KURTOSIS	3.330	5.279	3.857	3.244	4.719	4.719	4.719	4.719	4.719
N	42	42	42	42	42	42	42	42	42
RECORD YEAR	1931	1956	1956	1956	1956	1941	1941	1941	1941
RECORD MAXIMUM	5.240	8.540	8.540	8.540	8.540	32.630	32.630	32.630	32.630
NORMALIZED MAX	1.926	2.920	2.596	2.409	3.221	3.221	3.221	3.221	3.221
CALC. COEF. VAR	.505	.537	.538	.527	.433	.433	.433	.433	.433
REGN. COEF. VAR	.494	.515	.528	.528	.416	.416	.416	.416	.416
USED COEF. VAR	.494	.515	.528	.528	.416	.416	.416	.416	.416
MEAN/A	.1947	.2439	.2613	.2760	1.0000	1.0000	1.0000	1.0000	1.0000
RP10/A	.3236	.4110	.4461	.4713	1.5576	1.5576	1.5576	1.5576	1.5576
RP25/A	.3955	.5113	.5522	.5801	1.8593	1.8593	1.8593	1.8593	1.8593
RP50/A	.4473	.5839	.6292	.6586	2.0753	2.0753	2.0753	2.0753	2.0753
RP100/A	.4976	.6549	.7044	.7348	2.2840	2.2840	2.2840	2.2840	2.2840
RP1000/A	.6578	.8841	.9451	.9775	2.9442	2.9442	2.9442	2.9442	2.9442
RP10000/A	.8115	1.1066	1.1774	1.2103	3.5729	3.5729	3.5729	3.5729	3.5729
PMP/A	1.6374	2.1285	2.3309	2.4615	7.2400	7.2400	7.2400	7.2400	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 1194 0	STATION NAME BURBANK AP	ELEV 655	SEC 09	TWP 01N	RNG LOT 14W M S	8MM S	LATITUDE 34.186	LONGITUDE 118.348	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.62	3.15	3.49	3.64	3.80	4.00	4.34	4.61	5.20	5.52	6.30	8.41	13.05
5	3.95	4.85	5.42	5.62	5.84	6.16	6.67	7.04	7.92	8.34	9.33	12.60	18.41
10	4.03	6.01	6.70	6.93	7.16	7.58	8.21	8.63	9.67	10.15	11.24	15.30	21.81
20	5.64	7.12	7.92	8.14	8.38	8.90	9.64	10.13	11.29	11.83	13.01	17.80	24.93
25	5.90	7.46	8.30	8.52	8.76	9.31	10.09	10.59	11.80	12.35	13.55	18.58	25.90
40	6.42	8.19	9.08	9.31	9.54	10.17	11.01	11.56	12.05	12.61	14.68	18.96	27.89
50	6.67	8.52	9.45	9.68	9.91	10.57	11.44	12.00	13.32	13.93	15.20	20.93	28.81
100	7.42	9.56	10.58	10.80	11.01	11.78	12.76	13.38	14.80	15.46	16.78	23.21	31.61
200	8.15	10.58	11.69	11.89	12.09	12.97	14.05	14.72	16.24	16.94	18.31	25.42	34.32
1000	9.81	12.91	14.20	14.36	14.52	15.66	16.95	17.74	19.46	20.28	21.74	30.40	40.40
10000	12.10	16.16	17.69	17.78	17.85	19.37	20.97	21.93	23.90	24.68	26.43	37.24	48.70
PMP	24.42	31.07	35.02	36.17	37.32	39.35	42.59	44.44	49.81	51.69	56.16	77.17	101.38
MEAN	2.904	3.562	3.926	4.055	4.198	4.457	4.831	5.120	5.729	6.071	6.837	9.226	14.002
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.618	1.350	1.104	1.100	1.090	1.070	1.050	1.020	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	6.081	5.215	3.706	3.677	3.480	3.796	4.001	3.762	3.628	4.208	4.229	4.432	4.276
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1944	1944	1944	1944	1944	1952	1962	1952	1969	1969	1969	1969	1944
RECORD MAXIMUM	7.760	9.000	9.150	9.450	10.090	10.950	12.880	12.990	14.110	16.010	17.020	23.990	33.050
NORMALIZED MAX	2.649	2.720	2.246	2.144	2.244	2.242	2.443	2.395	2.281	2.554	2.505	2.545	2.660
CALC. COEF. VAR	.631	.561	.593	.621	.625	.600	.665	.642	.641	.641	.595	.627	.512
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2074	.2544	.2804	.2896	.2998	.3183	.3450	.3657	.4091	.4336	.4893	.6589	1.0000
RP10/A	.3447	.4294	.4786	.4946	.5113	.5410	.5860	.6166	.6905	.7248	.8030	1.0927	1.5576
RP25/A	.4212	.5331	.5925	.6088	.6256	.6651	.7203	.7565	.8427	.8823	.9680	1.3271	1.8498
RP50/A	.4764	.6088	.6751	.6912	.7074	.7546	.8171	.8573	.9516	.9950	1.0853	1.4951	2.0575
RP100/A	.5300	.6829	.7557	.7712	.7865	.8416	.9112	.9553	1.0569	1.1040	1.1981	1.6574	2.2574
RP1000/A	.7006	.9218	1.0140	1.0258	1.0368	1.1183	1.2105	1.2671	1.3900	1.4487	1.5524	2.1707	2.8849
RP10000/A	.8643	1.1538	1.2633	1.2701	1.2751	1.3837	1.4977	1.5662	1.7072	1.7770	1.8872	2.6597	3.4781
PMP/A	1.7440	2.2192	2.5009	2.5932	2.6652	2.8105	3.0414	3.1739	3.5573	3.6917	4.0110	5.5114	7.2400

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 1696 0	STATION NAME COLBY FC 530	ELEV 3675	SEC 35	TWP 03N	RNG LOT 12W	8MM S	LATITUDE 34.200	LONGITUDE 118.111	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.09	6.49	7.38	7.86	8.42	8.72	9.18	9.73	10.76	11.63	13.43	16.79	26.16
5	7.67	10.01	11.45	12.15	12.94	13.42	14.12	14.86	16.39	17.55	19.89	25.15	36.92
10	9.36	12.40	14.17	14.96	15.85	16.51	17.35	18.22	20.01	21.36	23.98	30.54	43.72
20	10.95	14.07	16.73	17.59	18.66	19.39	20.38	21.37	23.74	24.87	27.74	35.54	49.99
25	11.44	15.39	17.54	18.41	19.40	20.29	21.33	22.35	24.42	26.01	28.90	37.09	51.93
40	12.46	16.87	19.20	20.11	21.81	22.15	23.28	24.39	26.93	28.54	31.29	37.85	55.91
50	12.94	17.57	19.78	20.70	21.93	23.02	24.20	25.33	27.57	29.33	32.40	41.79	57.76
100	14.39	19.71	22.37	23.32	24.39	25.98	28.63	30.62	32.54	35.77	40.62	63.37	
200	15.82	21.82	24.71	25.69	26.78	28.27	29.70	31.06	33.60	35.67	39.04	50.74	68.81
1000	19.03	26.61	30.01	31.03	32.15	34.12	35.85	37.44	40.27	42.70	46.35	60.67	80.99
10000	23.47	33.31	37.39	38.41	39.54	42.22	44.35	46.28	49.46	52.08	56.35	74.34	97.64
PMP	47.36	64.06	74.02	78.13	82.64	85.75	90.06	92.79	103.07	108.82	119.76	154.04	203.24
MEAN	5.632	7.342	8.299	8.759	9.296	9.711	10.217	10.805	11.854	12.779	14.578	18.415	28.072
CLOCK HR. COR.	1.140	1.170	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190	1.190
CALCULATED SKEW	1.133	1.203	1.291	1.327	1.195	1.037	1.203	1.471	1.240	1.205	1.009	1.387	.751
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.356	5.085	5.129	5.150	4.653	4.302	5.212	6.018	4.988	4.918	3.921	5.682	3.170
N	74	73	73	73	73	73	73	73	73	73	73	73	74
RECORD YEAR	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922	1922
RECORD MAXIMUM	13.850	21.220	26.400	27.550	28.810	29.000	31.410	34.100	37.480	39.080	39.640	59.230	66.560
NORMALIZED MAX	2.722	3.368	3.527	3.502	3.444	3.387	3.478	3.477	3.564	3.414	3.012	3.792	2.888
CALC. COEF. VAR	.536	.561	.606	.613	.599	.586	.596	.607	.608	.613	.586	.613	.586
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2006	.2616	.2956	.3120	.3311	.3459	.3640	.3849	.4223	.4552	.5193	.6560	1.0000
RP10/A	.3335	.4416	.5048	.5328	.5647	.5880	.6181	.6491	.7128	.7611	.8541	1.0879	1.5576
RP25/A	.4075	.5481	.6247	.6559	.6909	.7229	.7598	.7963	.8898	.9264	1.0296	1.3213	1.8498
RP50/A	.4609	.6260	.7118	.7314	.7514	.7822	.8222	.8622	.9622	1.0022	1.1543	1.4885	2.0575
RP100/A	.5127	.7022	.7968	.8308	.8680	.9146	.9611	1.0056	1.0909	1.1592	1.2743	1.6502	2.2574
RP1000/A	.6778	.9479	1.0691	1.1052	1.1452	1.2154	1.2770	1.3338	1.4347	1.5211	1.6512	2.1213	2.8849
RP10000/A	.8361	1.1865	1.3320	1.3684	1.4084	1.5038	1.5799	1.6487	1.7621	1.8558	2.0073	2.6481	3.4781
PMP/A	1.6872	2.2820	2.6369	2.7831	2.9438	3.0845	3.2092	3.3410	3.6717	3.8764	4.2662	5.4874	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RND LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB U05 3288 0	FULLERTON HILLCRST RE	340					33.867	117.904	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	# YR
2	2.36	2.93	3.27	3.47	12.22
5	3.56	4.51	5.07	5.36	17.30
10	4.35	5.59	6.28	6.60	20.57
20	5.08	6.61	7.62	7.76	23.60
25	5.31	6.94	7.77	8.12	24.55
40	5.79	7.61	8.51	8.87	25.01
50	6.01	7.92	8.86	9.22	27.40
100	6.68	8.89	9.91	10.29	30.16
200	7.34	9.84	10.95	11.33	32.64
1000	8.63	12.00	13.30	13.69	38.87
10000	10.90	15.02	16.57	16.95	47.17
PMP	21.99	28.68	32.81	34.46	95.59

MEAN	2.615	3.310	3.678	3.864	13.203
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.865	.696	.627	.558	1.329
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100

KURTOSIS	3.269	2.532	2.585	2.310	5.299
N	42	42	42	42	42
RECORD YEAR	1956	1956	1956	1956	1941
RECORD MAXIMUM	5.160	6.660	7.830	7.830	36.190
NORMALIZED MAX	2.014	2.006	2.234	2.144	3.439
CALC. COEF. VAR	.493	.505	.505	.479	.506
REGION. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	.1981	.2507	.2766	.2926	1.0000
RP10/A	.3292	.4233	.4755	.4998	1.5578
RP25/A	.4623	.5255	.5887	.6152	1.8593
RP50/A	.4550	.6061	.6708	.6984	2.0753
RP100/A	.5062	.6732	.7509	.7793	2.2840
RP1000/A	.6692	.9087	1.0075	1.0366	2.9442
RP10000/A	.8255	1.1374	1.2552	1.2635	3.5729
PMP/A	1.6657	2.1877	2.4849	2.6103	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RND LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB U05 3289 3	FULLERTON A P	94					33.871	117.976	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	# YR
2	2.15	2.64	2.80	2.95	11.02
5	3.25	4.07	4.34	4.56	15.68
10	3.96	5.05	5.37	5.62	18.55
20	4.63	5.97	6.35	6.61	21.29
25	4.84	6.26	6.65	6.92	22.14
40	5.27	6.87	7.28	7.58	22.55
50	5.47	7.15	7.58	7.85	24.71
100	6.09	8.03	8.48	8.76	27.19
200	6.69	8.88	9.37	9.65	29.61
1000	8.05	10.83	11.38	11.66	35.05
10000	9.93	13.56	14.16	14.43	42.54
PMP	20.04	26.08	28.06	29.36	86.20

MEAN	2.383	2.989	3.148	3.291	11.906
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	1.021	1.333	.974	.759	.965
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100

KURTOSIS	4.112	4.819	3.606	2.885	3.594
N	28	28	28	28	28
RECORD YEAR	1956	1956	1956	1956	1952
RECORD MAXIMUM	4.880	7.330	7.330	7.330	23.720
NORMALIZED MAX	2.190	2.577	2.434	2.262	2.283
CALC. COEF. VAR	.478	.563	.546	.543	.435
REGION. COEF. VAR	.494	.515	.520	.528	.416
USED COEF. VAR	.494	.515	.520	.528	.416

MEAN/A	.2002	.2511	.2644	.2764	1.0000
RP10/A	.3327	.4239	.4513	.4721	1.5578
RP25/A	.4066	.5262	.5587	.5811	1.8593
RP50/A	.4598	.6009	.6357	.6597	2.0753
RP100/A	.5116	.6740	.7127	.7361	2.2840
RP1000/A	.6762	.9099	.9562	.9792	2.9442
RP10000/A	.8342	1.1389	1.1913	1.2123	3.5729
PMP/A	1.6033	2.1906	2.3584	2.4657	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 3452 0	STATION NAME GLENDORA WEST 85	ELEV 822	SEC	TWP	RNG LOT	BM	LATITUDE 34.140	LONGITUDE 117.849	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.49	4.43	4.97	5.29	5.61	5.90	6.31	6.72	7.44	8.12	9.52	12.62	20.46
5	5.26	6.83	7.71	8.19	8.62	9.08	9.71	10.27	11.32	12.26	14.11	18.91	28.88
10	6.43	8.47	9.54	10.08	10.56	11.16	11.94	12.67	13.82	14.93	17.01	22.95	34.21
20	7.51	10.02	11.27	11.86	12.36	13.12	14.02	14.78	16.15	17.40	19.67	26.71	39.11
25	7.85	10.51	11.81	12.41	12.92	13.73	14.67	15.46	16.87	18.17	20.50	27.88	40.62
40	8.55	11.52	12.94	13.55	13.99	14.99	16.02	16.86	17.22	18.54	22.20	28.45	43.74
50	8.88	12.00	13.44	14.05	14.52	15.52	16.55	17.35	17.65	19.07	22.78	31.41	45.18
100	9.68	13.46	15.07	15.72	16.24	17.37	18.56	19.52	21.16	22.73	25.37	34.82	49.57
200	10.86	14.90	16.65	17.31	17.84	19.12	20.44	21.47	23.21	24.92	27.63	38.14	53.03
1000	13.06	18.17	20.22	20.92	21.41	23.08	24.66	25.89	27.83	29.83	32.88	45.60	63.35
10000	19.11	22.75	25.19	25.89	26.34	28.56	30.51	32.00	34.18	36.59	39.97	55.87	76.38
PMP	32.51	43.75	49.87	52.65	55.05	58.00	61.96	64.85	71.21	76.02	84.94	115.77	158.99
MEAN	3.865	5.014	5.591	5.903	6.192	6.568	7.029	7.471	8.190	8.928	10.340	13.840	21.960
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.226	1.548	1.157	1.078	.900	.804	.777	.743	.634	1.228	1.038	1.457	1.211
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.100	1.100	1.000
KURTOSIS	3.961	6.145	4.397	4.628	3.494	3.265	3.200	3.130	2.860	5.694	4.397	6.044	5.355
N	91	91	91	91	91	91	91	91	91	91	91	91	91
RECORD YEAR	1891	1934	1934	1934	1934	1934	1969	1969	1884	1884	1884	1884	1884
RECORD MAXIMUM	8.200	14.800	15.540	16.240	16.240	16.240	17.500	17.88	18.780	20.660	29.410	43.940	60.620
NORMALIZED MAX	2.250	3.780	3.388	3.357	3.178	2.949	3.013	2.871	2.689	4.252	3.698	4.105	4.079
CALC. COEF. VAR	.498	.510	.525	.522	.511	.499	.494	.485	.481	.520	.499	.522	.432
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.760	2.283	2.546	2.688	2.820	2.991	3.201	3.402	3.729	4.066	4.709	6.302	1.0000
RP10/A	.2926	.3855	.4346	.4590	.4808	.5084	.5437	.5737	.6295	.6797	.7744	1.0452	1.5576
RP25/A	.3575	.4785	.5380	.5651	.5883	.6251	.6683	.7038	.7692	.8273	.9335	1.2695	1.9498
RP50/A	.4044	.5465	.6130	.6415	.6653	.7092	.7581	.7977	.8675	.9331	1.0466	1.4301	2.0575
RP100/A	.4499	.6130	.6862	.7158	.7397	.7908	.8453	.8888	.9635	1.0353	1.1554	1.5854	2.2574
RP1000/A	.5947	.8274	.9207	.9521	.9751	1.0509	1.1231	1.1789	1.2671	1.3585	1.4971	2.0764	2.8849
RP10000/A	.7336	1.0350	1.1471	1.1769	1.1992	1.3003	1.3895	1.4582	1.5562	1.6663	1.8204	2.5441	3.4781
PMP/A	1.4804	1.9921	2.2710	2.3976	2.5066	2.8411	2.8217	2.9530	3.2428	3.4619	3.8681	5.2720	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 4017 0	STATION NAME MOEGES	ELEV 2650	SEC 33	TWP 02N	RNG LOT 11W	BM 5	LATITUDE 34.209	LONGITUDE 118.034	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.51	8.05	9.25	10.12	10.57	10.81	11.58	12.21	13.47	14.42	16.74	21.58	34.50
5	9.82	12.42	14.35	15.64	16.25	16.64	17.80	18.65	20.51	21.76	24.79	32.30	48.49
10	11.98	15.38	17.75	19.26	19.90	20.45	21.88	22.87	25.05	26.49	29.89	39.21	57.67
20	14.01	18.21	20.97	22.66	23.30	24.03	25.71	26.82	29.28	30.88	34.57	45.64	65.93
25	14.65	19.10	21.98	23.71	24.35	25.15	26.90	28.06	30.50	32.25	36.02	47.63	68.49
40	15.95	20.94	24.07	25.90	26.87	27.45	29.37	30.60	31.20	32.91	36.09	48.61	73.74
50	16.56	21.81	25.04	26.92	27.54	28.53	30.52	31.80	34.52	36.37	40.39	53.66	76.18
100	18.43	24.46	28.03	30.04	30.62	31.82	34.03	35.43	38.34	40.35	44.59	59.48	83.58
200	20.25	27.08	30.97	33.09	33.62	35.03	37.46	38.98	42.09	44.23	48.66	65.18	90.76
1000	24.36	33.02	37.61	39.96	40.36	42.28	45.21	46.99	50.42	52.95	57.77	77.91	106.81
10000	30.05	41.33	46.86	49.48	49.64	52.31	55.94	58.08	61.92	64.95	70.23	95.45	128.77
PMP	60.64	79.50	92.77	100.82	103.75	106.26	113.59	117.71	129.02	134.93	149.27	197.80	268.06
MEAN	7.210	9.112	10.401	11.281	11.670	12.034	12.886	13.561	14.839	15.846	18.170	23.646	37.025
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.593	2.685	1.926	1.597	1.504	1.437	1.273	1.400	1.227	1.058	.884	1.218	1.670
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	6.924	13.894	8.030	5.860	5.385	5.264	4.571	5.180	4.463	3.695	3.130	4.837	2.658
N	49	49	49	49	49	49	49	49	49	49	49	49	49
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	20.570	36.340	36.940	37.340	37.520	38.200	38.800	42.350	42.950	43.380	67.210	76.620	94.470
NORMALIZED MAX	3.265	4.455	3.830	3.436	3.351	3.362	3.203	3.425	3.169	2.985	2.599	3.420	2.447
CALC. COEF. VAR	.568	.671	.666	.672	.661	.647	.628	.620	.598	.573	.534	.399	.247
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.947	2.461	2.809	3.047	3.152	3.250	3.480	3.663	4.008	4.280	4.908	6.387	1.0000
RP10/A	.4157	.5153	.5796	.6203	.6475	.6624	.6911	.7176	.7645	.7855	.8672	1.0591	1.5576
RP25/A	.3956	.5158	.5936	.6405	.6577	.6792	.7266	.7577	.8255	.8709	.9729	1.2864	1.8498
RP50/A	.4474	.5890	.6764	.7272	.7438	.7606	.8242	.8588	.9322	.9822	1.0706	1.4492	2.0575
RP100/A	.4977	.6607	.7572	.8113	.8270	.8594	.9191	.9369	1.0354	1.0898	1.2042	1.6068	2.2574
RP1000/A	.6579	.8919	1.1519	1.2657	1.3001	1.4119	1.5211	1.5992	1.7617	1.8301	1.9504	2.1042	2.8849
RP10000/A	.8116	1.1164	1.2657	1.3363	1.3406	1.4130	1.5108	1.5688	1.6724	1.7542	1.8969	2.3471	3.4781
PMP/A	1.6377	2.1473	2.5057	2.7178	2.8022	2.8699	3.0679	3.1792	3.4848	3.6444	4.0316	5.3424	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY
BSN ORDER 5UB U05 4659 II	LA HABRA	315						33.933	117.944	CODE 30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.75	3.29	3.54	3.66	13.77					
5	4.15	5.07	5.49	5.66	19.50					
10	5.06	6.27	6.80	6.97	23.19					
20	5.92	7.43	8.03	8.20	26.61					
25	6.19	7.79	8.42	8.58	27.67					
40	6.74	8.54	9.22	9.37	28.20					
50	7.00	8.90	9.59	9.74	30.69					
100	7.78	9.98	10.74	10.87	34.00					
200	8.55	11.04	11.86	11.97	37.02					
1000	10.29	13.47	14.40	14.46	43.82					
10000	12.69	16.86	17.95	17.90	53.18					
PMP	25.61	32.43	35.53	36.41	107.76					
MEAN	3.045	3.717	3.983	4.082	14.884					
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000					
CALCULATED SKEW	1.367	1.194	1.050	1.017	1.000					
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100					
SKEW USED	1.200	1.400	1.300	1.200	1.100					
KURTOSIS	5.425	4.597	3.378	2.892	3.626					
N	41	41	41	41	43					
RECORD YEAR	1934	1956	1956	1956	1941					
RECORD MAXIMUM	7.200	8.680	8.800	8.800	33.520					
NORMALIZED MAX	2.725	2.584	2.364	2.293	2.795					
CALC. COEF. VAR	.501	.517	.501	.493	.448					
REGN. COEF. VAR	.494	.515	.528	.528	.416					
USED COEF. VAR	.494	.515	.528	.528	.416					
MEAN/A	.2046	.2497	.2876	.2743	1.0000					
RP10/A	.3400	.4216	.4586	.4681	1.5978					
RP25/A	.4155	.5233	.5654	.5766	1.8593					
RP50/A	.4700	.5976	.6443	.6546	2.0753					
RP100/A	.5229	.6704	.7212	.7303	2.2840					
RP1000/A	.6912	.9049	.9677	.9715	2.9442					
RP10000/A	.8526	1.1327	1.2057	1.2029	3.5729					
PMP/A	1.7205	2.1786	2.3868	2.4465	7.2400					

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY
BSN ORDER 5UB U05 5082 5	LONG BEACH 224	180						33.788	116.191	CODE 70

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600
2	2.18	2.54	2.73	2.91	3.05	3.22	3.47	3.68	4.22	4.52	5.35	7.08
5	3.29	3.91	4.24	4.50	4.69	4.96	5.33	5.63	6.43	6.82	7.93	10.61
10	4.01	4.85	5.25	5.54	5.74	6.10	6.55	6.90	7.85	8.30	9.58	12.88
20	4.69	5.74	6.20	6.52	6.72	7.16	7.70	8.10	9.17	9.68	11.06	14.99
25	4.90	6.02	6.49	6.82	7.03	7.49	8.05	8.47	9.58	10.10	11.52	15.64
40	5.34	6.60	7.11	7.45	7.67	8.18	8.79	9.24	9.78	10.31	12.49	15.96
50	5.54	6.87	7.40	7.74	7.95	8.50	9.14	9.60	10.62	11.39	12.92	16.24
100	6.16	7.71	8.28	8.64	8.83	9.40	10.19	10.70	12.02	12.64	14.26	19.54
200	6.77	8.53	9.15	9.51	9.70	10.44	11.22	11.77	13.19	13.86	15.56	21.40
1000	8.15	10.40	11.11	11.49	11.64	12.60	13.54	14.19	15.81	16.59	18.48	25.59
10000	10.05	13.02	13.85	14.23	14.32	15.59	16.75	17.54	19.42	20.35	22.46	31.35
PMP	26.29	25.05	27.41	28.94	29.93	31.86	34.01	35.54	40.46	42.27	47.74	64.97
MEAN	2.412	2.871	3.073	3.244	3.367	3.556	3.856	4.094	4.653	4.964	5.812	7.766
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.009	1.006	1.000	1.000
CALCULATED SKEW	1.043	.761	.775	.601	.633	.366	.642	.711	.778	.606	.679	.591
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.400	1.100	1.100	1.100	1.000	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100
KURTOSIS	3.897	2.907	3.083	2.798	3.005	2.607	3.360	3.524	3.489	3.162	3.655	3.185
N	80	80	80	80	80	80	80	80	80	80	80	80
RECORD YEAR	1956	1956	1956	1956	1938	1938	1969	1937	1969	1969	1916	1969
RECORD MAXIMUM	5.500	6.190	6.710	6.710	7.290	7.290	8.930	9.200	10.720	10.680	13.700	15.960
NORMALIZED MAX	2.544	2.456	2.556	2.435	2.714	2.515	3.091	2.936	2.982	2.756	3.214	2.636
CALC. COEF. VAR	.503	.470	.499	.466	.466	.411	.425	.425	.437	.432	.446	.400
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491
MEAN/A	.2021	.2405	.2575	.2716	.2821	.3004	.3232	.3430	.3898	.4159	.4669	.6506
RP10/A	.3359	.4061	.4345	.4641	.4810	.5106	.5489	.5784	.6579	.6953	.8068	1.0790
RP25/A	.4105	.5040	.5390	.5713	.5886	.6278	.6747	.7076	.8028	.8463	.9653	1.3105
RP50/A	.4642	.5759	.6199	.6466	.6654	.7122	.7664	.8042	.9086	.9545	1.0822	1.4763
RP100/A	.5165	.6457	.6939	.7236	.7401	.7943	.8535	.8960	1.0070	1.0590	1.1947	1.6366
RP1000/A	.6827	.8716	.9311	.9626	.9755	1.0554	1.1339	1.1605	1.3243	1.3697	1.5480	2.1436
RP10000/A	.8422	1.0910	1.1600	1.1918	1.1980	1.3059	1.4029	1.4690	1.6265	1.7046	1.8919	2.6264
PMP/A	1.6994	2.0984	2.2985	2.4420	2.5077	2.6526	2.8486	2.9770	3.3891	3.5414	3.9988	5.4424

PEARSON TYPE III DISTRIBUTION USED

PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY
U05 5085 0	LONG BEACH	35						33.817	118.150	CODE 70
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.20	2.99	3.03	3.21	3.34	3.47	3.77	4.09	4.62	4.94
5	3.31	4.14	4.70	4.96	5.13	5.33	5.81	6.24	7.03	7.46
10	4.04	5.13	5.81	6.11	6.29	6.56	7.14	7.66	8.58	9.08
20	4.73	6.07	6.66	7.17	7.36	7.71	8.38	8.98	10.03	10.58
25	4.94	6.37	7.19	7.77	7.99	8.08	8.77	9.36	10.47	11.05
40	5.38	6.98	7.88	8.22	7.85	8.40	9.58	10.25	10.69	11.28
50	5.59	7.27	8.20	8.54	8.70	9.15	9.95	10.65	11.83	12.46
100	6.22	8.16	9.18	9.53	9.67	10.20	11.10	11.86	13.14	13.83
200	6.83	9.03	10.14	10.50	10.75	11.23	12.22	13.05	14.41	15.16
1000	8.22	11.01	12.51	12.67	12.75	13.56	14.74	15.78	17.28	18.14
10000	10.14	13.78	15.34	15.69	15.68	16.77	18.24	19.45	21.22	22.26
PMP	20.46	26.50	30.37	31.91	32.77	34.07	37.04	39.41	44.21	46.24
MEAN	2.433	3.038	3.404	3.578	3.687	3.858	4.202	4.541	5.085	5.430
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.761	1.643	1.576	1.526	1.486	1.383	1.547	1.890	1.920	1.858
REGIONAL SKEW	1.200	1.400	1.300	1.280	1.100	1.200	1.200	1.200	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000
KURTOSIS	3.395	3.001	2.573	2.486	2.550	2.299	2.704	4.201	4.080	4.796
N	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1956	1956	1956	1956	1938	1938	1937	1937	1937	1937
RECORD MAXIMUM	4.600	6.600	7.230	7.380	7.300	7.300	11.750	13.290	14.557	15.890
NORMALIZED MAX	2.070	2.373	2.187	1.999	1.987	1.841	2.196	3.049	2.995	3.202
CALC. COEF. VAR	.446	.494	.514	.511	.504	.498	.495	.519	.530	.502
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	1.914	2.290	2.679	2.816	2.901	3.036	3.307	3.573	4.002	4.273
RP10/A	3.182	4.038	4.573	4.852	4.947	5.161	5.516	5.826	6.574	7.144
RP25/A	3.886	5.010	5.661	5.919	6.053	6.349	6.703	7.024	8.046	8.696
RP50/A	4.398	5.721	6.451	6.720	6.845	7.199	7.831	8.379	9.308	9.971
RP100/A	4.893	6.418	7.221	7.498	7.611	8.028	8.732	9.336	1.0382	1.1235
RP1000/A	6.468	8.663	9.689	9.973	1.0033	1.0668	1.1601	1.2383	1.3575	1.4278
RP10000/A	7.978	1.0843	1.2072	1.2348	1.2339	1.3200	1.4351	1.5306	1.6698	1.7515
PMP/A	1.6099	2.0856	2.3898	2.5115	2.5791	2.6812	2.9147	3.1017	3.4794	3.6368

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY
U05 5111 4	LOS ANGELES OUCOMMUN	716	270	27	015	13W	M 5	34.053	118.237	CODE 70
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.55	3.04	3.44	3.72	3.91	4.13	4.47	4.80	5.41	5.80
5	3.84	4.69	5.33	5.75	6.01	6.36	6.88	7.34	8.23	8.75
10	4.68	5.81	6.60	7.08	7.36	7.82	8.45	9.00	10.05	10.65
20	5.48	6.87	7.79	8.33	8.61	9.18	9.93	10.55	11.74	12.41
25	5.72	7.21	8.17	8.71	9.00	9.61	10.39	11.04	12.27	12.96
40	6.24	7.90	8.94	9.52	9.20	10.49	11.34	12.04	12.52	13.23
50	6.47	8.23	9.31	9.89	10.18	10.70	11.79	12.51	13.65	14.62
100	7.20	9.23	10.42	11.04	11.32	12.16	13.15	13.94	15.39	16.22
200	7.91	10.22	11.51	12.16	12.43	13.39	14.47	15.33	16.88	17.78
1000	9.52	12.46	13.98	14.68	14.92	16.16	17.46	18.49	20.23	21.29
10000	11.75	15.60	17.42	18.18	18.35	19.99	21.61	22.85	24.85	26.11
PMP	23.70	30.00	34.48	36.98	38.38	40.90	43.88	46.31	51.78	54.24
MEAN	2.818	3.439	3.866	4.145	4.316	4.598	4.978	5.335	5.956	6.370
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.507	1.241	1.108	1.053	.920	.845	.766	.661	.881	.817
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.000
KURTOSIS	5.861	4.945	4.110	3.994	3.551	3.358	3.305	3.871	3.592	3.267
N	101	101	101	101	101	101	101	101	101	101
RECORD YEAR	1956	1956	1975	1875	1738	1969	1875	1969	1880	1880
RECORD MAXIMUM	7.430	8.700	9.770	10.810	11.050	11.190	13.210	14.800	15.080	15.110
NORMALIZED MAX	3.217	3.142	2.952	3.094	3.045	2.815	3.244	3.519	3.014	2.746
CALC. COEF. VAR	.509	.487	.517	.520	.513	.509	.510	.506	.506	.485
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	1.880	2.269	2.551	2.735	2.848	3.034	3.285	3.520	3.930	4.203
RP10/A	3.091	3.831	4.354	4.671	4.856	5.158	5.578	5.937	6.633	7.027
RP25/A	3.777	4.756	5.370	5.750	5.942	6.341	6.857	7.283	8.074	8.554
RP50/A	4.272	5.431	6.142	6.522	6.719	7.174	7.779	8.267	9.141	9.643
RP100/A	4.683	6.032	6.875	7.284	7.471	8.022	8.674	9.197	1.0133	1.0704
RP1000/A	6.823	8.223	9.225	9.689	9.868	1.0661	1.1524	1.2199	1.3352	1.4046
RP10000/A	7.750	1.0294	1.1493	1.1997	1.2112	1.3191	1.4258	1.5079	1.6399	1.7228
PMP/A	1.5639	1.9799	2.2752	2.4399	2.5316	2.6793	2.8954	3.0558	3.4170	3.5973

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB U05 5114 0	STATION NAME LOS ANGELES WB	ELEV 105	SEC 06	TWP 035	RNG 14W	LOT 8	8MM 5	LATITUDE 33.942	LONGITUDE 118.387	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	2.92	3.35	3.56	3.72	3.82	4.15	4.46	5.08	5.46	6.46	8.41	13.34
5	3.70	4.51	5.19	5.50	5.71	5.88	6.38	6.82	7.74	8.24	9.57	12.60	18.83
10	4.52	5.58	6.43	6.78	7.00	7.23	7.84	8.36	9.44	10.03	11.53	15.30	22.31
20	5.29	6.61	7.59	7.97	8.19	8.50	9.21	9.81	11.03	11.70	13.34	17.81	25.50
25	5.53	6.93	7.95	8.34	8.58	8.89	9.64	10.26	11.53	12.21	13.90	18.58	26.49
40	6.02	7.60	8.71	9.11	8.74	9.71	10.52	11.19	11.77	12.47	15.03	19.97	28.52
50	6.25	7.91	9.06	9.47	9.68	10.09	10.93	11.63	13.02	13.77	15.58	20.94	29.46
100	6.95	8.88	10.15	10.57	10.78	11.25	12.19	12.96	14.46	15.28	17.20	23.21	32.33
200	7.84	9.83	11.21	11.64	11.82	12.39	13.42	14.26	15.86	16.75	18.78	25.42	35.10
1000	9.19	11.98	13.61	14.05	14.19	14.95	16.20	17.19	19.01	20.05	22.29	30.40	41.31
10000	11.34	15.00	16.96	17.40	17.45	18.50	20.04	21.25	23.35	24.60	27.10	37.25	49.61
PMP	22.88	28.85	33.58	35.39	36.47	37.59	40.70	43.06	48.65	51.10	57.59	77.18	103.68
MEAN	2.720	3.307	3.764	3.967	4.103	4.257	4.617	4.960	5.596	6.002	7.011	9.227	14.320
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.324	.953	.850	.976	.907	.857	.668	.564	.657	.822	.896	.895	.999
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.384	3.654	3.162	3.643	3.453	3.152	2.477	2.114	2.267	2.671	3.103	3.060	3.886
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1938	1956	1938	1938	1938	1938	1938	1938	1938	1941	1938	1941	1941
RECORD MAXIMUM	5.880	7.444	9.210	10.680	11.060	11.060	11.070	11.130	12.260	14.220	16.170	21.320	32.790
NORMALIZED MAX	2.008	2.356	2.402	2.732	2.759	2.846	2.367	2.173	2.043	2.045	2.330	2.312	2.673
CALC. COEF. VAR	.578	.530	.602	.619	.615	.604	.591	.572	.582	.588	.565	.547	.482
RECN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.900	2.309	2.629	2.771	2.865	2.972	3.224	3.464	3.967	4.191	4.896	6.443	1.0000
RP10/A	3.158	3.899	4.487	4.731	4.886	5.052	5.476	5.841	6.595	7.006	8.052	1.0685	1.5576
RP25/A	3.859	4.840	5.555	5.824	5.978	6.211	6.731	7.166	8.048	8.528	9.708	1.2978	1.8498
RP50/A	4.364	5.527	6.330	6.612	6.760	7.047	7.635	8.122	9.089	9.618	1.0882	1.4620	2.0575
RP100/A	4.855	6.200	7.086	7.378	7.517	7.859	8.514	9.049	1.0095	1.0672	1.2613	1.6207	2.2574
RP1000/A	6.616	8.859	9.907	9.814	9.908	10.443	1.1312	1.2003	1.3276	1.5004	1.5565	2.1227	2.8849
RP10000/A	7.917	10.478	11.845	12.251	12.186	12.922	1.3995	1.4836	1.6305	1.7177	1.8923	2.6009	3.4781
PMP/A	1.5976	2.0149	2.3449	2.4713	2.5470	2.6246	2.8420	3.0066	3.3975	3.5866	4.0217	5.3896	7.2400

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. 85N ORDER SUB U05 6006 0	STATION NAME MT WILSON	ELEV 5709	SEC 30	TWP 02N	RNG 11W	LOT J	8MM 5	LATITUDE 34.227	LONGITUDE 118.066	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.18	6.73	7.69	8.27	8.86	9.28	9.86	10.51	11.75	12.64	14.56	18.84	30.13
5	7.81	10.37	11.93	12.79	13.63	14.28	15.17	16.06	17.89	19.08	21.57	28.23	42.53
10	9.54	12.85	14.77	15.74	16.69	17.58	18.64	19.70	21.84	23.22	26.00	34.27	50.37
20	11.15	15.21	17.44	18.52	19.54	20.63	21.90	23.16	25.51	27.07	30.08	39.88	57.59
25	11.66	15.95	18.28	19.38	20.43	21.59	22.91	24.16	26.65	28.27	31.34	41.63	59.82
40	12.70	17.49	20.02	21.17	22.06	23.57	25.01	26.36	27.21	29.85	33.93	42.48	64.41
50	13.18	18.21	20.83	22.00	23.10	24.49	25.94	27.38	30.10	31.68	35.13	46.89	66.54
100	14.67	20.43	23.32	24.55	25.68	27.31	28.99	30.51	33.43	35.37	38.79	51.99	73.00
200	16.11	22.61	25.75	27.04	28.20	30.07	31.91	33.57	36.67	38.77	42.33	56.95	79.28
1000	19.39	27.58	31.28	32.66	33.85	36.29	38.51	40.47	43.96	46.41	50.26	68.99	93.30
10000	23.91	34.52	38.97	40.43	41.63	44.91	47.65	50.03	54.00	56.93	61.09	83.42	112.48
PMP	48.26	66.39	77.16	82.24	87.02	91.21	98.75	101.38	112.52	118.28	129.85	172.87	234.14
MEAN	5.738	7.509	8.650	9.219	9.789	10.330	10.974	11.679	12.946	13.891	15.866	20.666	32.340
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.647	1.362	1.098	.974	1.003	1.051	1.229	1.307	1.182	1.129	1.052	1.511	1.419
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	6.914	5.613	4.206	3.475	3.622	4.209	5.048	4.990	4.443	4.288	4.029	5.429	6.558
N	67	67	67	67	67	67	67	67	67	67	67	67	67
RECORD YEAR	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969	1941
RECORD MAXIMUM	16.100	22.180	23.980	23.980	25.700	29.730	34.870	35.310	37.640	39.320	41.690	59.680	91.790
NORMALIZED MAX	3.426	3.489	3.150	2.847	2.842	3.309	3.747	3.483	3.350	3.267	3.155	3.445	4.239
CALC. COEF. VAR	.527	.549	.583	.572	.558	.558	.557	.550	.537	.552	.551	.548	.434
RECN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1774	2.2353	2.6755	2.851	3.027	3.194	3.394	3.611	4.001	4.295	4.887	6.390	1.0000
RP10/A	2.2949	3.3973	4.5656	4.889	5.162	5.429	5.764	6.090	6.754	7.181	8.039	1.0598	1.5576
RP25/A	3.3604	4.931	5.593	5.936	6.216	6.675	7.095	7.471	8.240	8.740	9.690	1.2872	1.8498
RP50/A	4.037	5.631	6.442	6.804	7.152	7.575	8.038	8.498	9.307	9.857	1.0864	1.4548	2.0575
RP100/A	4.535	6.317	7.209	7.591	7.941	8.443	8.963	9.435	1.0337	1.0937	1.1993	1.6075	2.2574
RP1000/A	5.994	8.527	9.673	10.098	10.468	11.222	1.1908	1.2515	1.3594	1.4352	1.5540	2.1054	2.8849
RP10000/A	7.795	1.0674	1.2052	1.2503	1.2874	1.3886	1.4733	1.5469	1.6697	1.7604	1.8891	2.5796	3.4781
PMP/A	1.4921	2.0530	2.3588	2.5429	2.6909	2.8204	2.9917	3.1347	3.4792	3.6573	4.0151	5.3455	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 6465 0	STATION NAME OPI05 CAMP FC57	ELEV 4250	SEC 14	TWP 02N	RNG LOT 12W	BWM 5	LATITUDE 34.255	LONGITUDE 118.095	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	6.72	8.63	9.72	10.40	11.08	11.46	12.41	13.36	14.44	14.88	17.81	23.19	35.83
5	10.13	13.31	15.08	16.07	17.04	17.65	19.09	20.41	21.99	22.46	26.38	34.74	50.58
10	12.36	16.49	18.66	19.80	20.87	21.70	23.47	25.03	26.85	27.34	31.50	42.18	59.03
20	14.46	19.52	22.04	23.28	24.43	25.49	27.57	29.36	31.36	31.87	36.78	49.09	68.48
25	15.11	20.47	23.10	24.37	25.54	26.67	28.85	30.71	32.76	33.28	38.33	51.23	71.14
40	16.46	22.45	25.30	26.62	28.08	29.12	31.49	33.50	33.45	33.97	41.50	52.28	76.59
50	17.09	23.38	26.32	27.68	28.88	30.26	32.52	34.80	37.00	37.53	45.97	57.72	79.13
100	19.01	26.22	29.47	30.87	32.11	33.75	36.49	38.78	41.09	41.65	47.44	63.96	86.81
200	20.89	29.02	32.55	34.00	35.25	37.16	40.17	42.66	45.08	45.65	51.77	70.09	94.27
1000	25.13	35.40	36.53	38.06	40.32	44.86	48.48	51.43	54.04	54.65	61.97	83.80	110.95
10000	44.31	49.26	50.84	52.05	55.49	59.98	63.57	66.37	67.03	74.73	102.68	133.76	
PMP	62.56	85.22	97.51	103.39	108.80	112.71	121.80	128.83	136.31	139.26	158.82	216.77	278.43
MEAN	7.439	9.767	10.932	11.591	12.238	12.764	13.817	14.842	15.906	16.355	19.332	25.435	38.457
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.219	1.743	1.393	1.276	1.196	1.200	1.496	1.042	1.724	1.757	1.356	1.735	1.149
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.031	7.490	5.076	4.555	4.209	4.363	5.096	6.236	6.637	7.031	5.223	6.345	3.918
N	57	57	57	57	57	57	57	57	57	57	57	57	57
RECORD YEAR	1943	1943	1943	1943	1943	1943	1949	1949	1922	1922	1922	1969	1922
RECORD MAXIMUM	16.610	32.400	33.160	33.660	33.660	36.790	44.970	49.010	54.860	56.640	57.420	70.650	89.330
NORMALIZED MAX	2.216	3.762	3.262	3.071	2.893	2.793	3.408	3.486	3.699	3.840	3.366	3.445	2.820
CALC. COEF. VAR	.456	.618	.623	.620	.629	.602	.602	.602	.602	.602	.585	.619	.469
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1934	.2540	.2843	.3014	.3182	.3319	.3593	.3859	.4136	.4253	.5027	.6614	1.0000
RP10/A	.3215	.4288	.4852	.5147	.5427	.5642	.6102	.6508	.6981	.7110	.8268	1.0969	1.5576
RP25/A	.3929	.5323	.6007	.6336	.6640	.6866	.7501	.7984	.8519	.8656	.9946	1.3322	1.8498
RP50/A	.4444	.6079	.6845	.7194	.7509	.7809	.8509	.9049	.9621	.9750	1.1174	1.5008	2.0575
RP100/A	.4944	.6819	.7662	.8026	.8349	.8776	.9488	1.0083	1.0685	1.0829	1.2336	1.6638	2.2574
RP1000/A	.6535	.9204	1.0280	1.0677	1.1005	1.1661	1.2606	1.3374	1.4052	1.4210	1.5943	2.1791	2.8849
RP10000/A	.8062	1.1521	1.2608	1.3219	1.3535	1.4429	1.5596	1.6531	1.7259	1.7431	1.9431	2.6699	3.4781
PMP/A	1.6267	2.2159	2.5356	2.6886	2.8291	2.9308	3.1671	3.3500	3.5963	3.6213	4.1297	5.5326	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 6602 0	STATION NAME PAC01HA DAM FC 33		ELEV 1500	SEC 24	TWP 03N	RNG LOT 15W	BWM 5	LATITUDE 34.330	LONGITUDE 118.391	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.01	3.96	4.47	4.77	5.00	5.18	5.55	5.97	6.65	7.21	8.39	10.94	18.08
5	4.53	6.11	6.94	7.37	7.69	7.98	8.54	9.12	10.12	10.89	12.43	16.39	25.52
10	5.53	7.57	8.59	9.08	9.43	9.81	10.49	11.18	12.36	13.25	14.98	19.89	30.23
20	6.47	8.96	10.15	10.68	11.03	11.52	12.33	13.12	14.44	15.45	17.33	23.15	34.56
25	6.76	9.40	10.63	11.18	11.53	12.06	12.90	13.72	15.08	16.13	18.06	24.16	36.89
40	7.36	10.30	11.65	12.21	12.78	13.17	14.08	14.97	16.40	16.46	19.55	24.66	38.65
50	7.64	10.73	12.12	12.69	13.04	13.66	14.63	15.55	17.03	18.19	20.24	27.22	39.93
100	8.50	12.04	13.56	14.16	14.50	15.26	16.32	17.32	18.92	20.18	22.35	30.18	43.80
200	9.34	13.32	14.98	15.59	15.92	16.80	17.96	19.06	20.75	22.12	24.39	33.06	47.57
1000	11.24	16.25	18.20	18.83	19.11	20.26	21.68	22.98	24.88	26.49	29.96	39.52	55.98
10000	13.87	20.34	22.68	23.32	23.51	25.09	26.82	28.40	30.56	32.49	35.20	48.43	67.49
PMP	27.98	39.12	44.89	47.42	49.13	50.96	54.46	57.56	63.67	66.49	74.82	100.35	140.49
MEAN	3.327	4.483	5.033	5.316	5.527	5.771	6.178	6.631	7.323	7.926	9.108	11.996	19.405
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.301	1.558	.951	.746	.710	.648	.556	.743	.831	.677	.542	.747	.737
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.925	7.629	3.976	3.185	3.019	2.950	2.674	3.360	3.160	2.594	2.207	2.764	3.255
N	58	58	58	58	58	58	58	58	58	58	58	58	58
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	9.855	12.640	12.950	13.090	13.160	13.640	13.950	15.770	16.080	16.360	16.850	25.460	40.410
NORMALIZED MAX	3.159	3.867	3.164	2.921	2.775	2.775	2.602	2.809	2.407	2.234	1.858	1.412	2.891
CALC. COEF. VAR	.450	.470	.497	.501	.498	.491	.483	.491	.497	.476	.457	.465	.374
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1715	.2310	.2593	.2740	.2848	.2974	.3184	.3417	.3774	.4085	.4694	.6182	1.0000
RP10/A	.2850	.3901	.4427	.4679	.4857	.5055	.5407	.5783	.6369	.6629	.7720	1.0252	1.5576
RP25/A	.3482	.4642	.5480	.5760	.5943	.6215	.6647	.7070	.7772	.8312	.9035	1.2452	1.8498
RP50/A	.3939	.5529	.6245	.6539	.6721	.6911	.7540	.8012	.8777	.9374	1.0433	1.4028	2.0575
RP100/A	.4383	.6293	.6996	.7296	.7472	.7683	.8408	.8928	.9749	1.0401	1.1517	1.5551	2.2574
RP1000/A	.5133	.8372	.8770	.9195	.9650	1.0049	1.1170	1.1842	1.2821	1.3649	1.4923	2.0388	2.6849
RP10000/A	.7147	1.0480	1.1685	1.2016	1.2114	1.2929	1.3820	1.4637	1.5746	1.6742	1.8142	2.4955	3.4781
PMP/A	1.4421	2.0157	2.3133	2.4439	2.5321	2.6260	2.9662	3.2611	3.7481	3.8558	5.1713	7.2400	

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U05 6719 0		STATION NAME PASADENA 6108		ELEV 864	SEC 28	TWP 01N	RNG LOT 12W C 5	BWM 5	LATITUDE 34.148	LONGITUDE 118.123	COUNTY CODE 70		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.37	4.25	4.87	5.18	5.47	5.77	6.10	6.50	7.17	7.73	9.09	11.85	18.65
5	5.08	6.56	7.55	8.00	8.41	8.87	9.39	9.93	10.92	11.66	13.47	17.75	26.32
10	6.20	8.12	9.35	9.86	10.30	10.91	11.54	12.18	13.33	14.19	16.24	21.55	31.18
20	7.25	9.61	11.04	11.59	12.05	12.62	13.56	14.28	15.58	16.55	18.78	25.08	35.64
25	7.58	10.08	11.57	12.13	12.60	13.42	14.18	14.94	16.27	17.28	19.57	26.18	37.02
40	8.26	11.05	12.67	13.25	12.87	14.05	15.48	16.29	16.61	17.63	21.19	26.71	39.86
50	8.58	11.51	13.18	13.78	14.25	15.22	16.09	16.93	18.38	19.48	21.94	29.49	41.18
100	9.54	12.91	14.76	15.37	15.84	16.97	17.94	18.86	20.41	21.62	24.22	32.99	45.18
200	10.48	14.29	16.30	16.93	17.39	18.69	19.75	20.75	22.39	23.70	26.44	35.81	49.06
1000	12.61	17.43	19.80	20.44	20.88	22.55	23.84	25.02	26.84	28.37	31.39	42.81	57.74
10000	15.56	21.82	24.67	25.31	25.68	27.91	29.50	30.93	32.96	34.80	38.16	52.46	69.61
PHP	31.39	41.97	48.83	51.48	53.68	56.69	59.90	62.67	68.69	72.29	81.10	108.73	144.91
MEAN	3.733	4.610	5.475	5.772	6.038	6.420	6.795	7.220	7.900	8.490	9.872	12.995	20.615
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.290	1.697	1.243	1.078	.884	.856	.705	.741	.677	.679	.734	1.040	1.041
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.871	8.289	4.615	3.915	3.365	3.291	2.935	2.902	2.643	2.500	2.820	3.645	4.319
RECORD YEAR	67	67	67	67	67	67	66	66	67	67	67	67	67
RECORD MAXIMUM	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
NORMALIZED MAX	0.350	14.690	14.800	14.930	15.070	15.600	15.830	17.660	17.830	18.610	22.280	30.580	46.100
CALC. COEF. VAR	2.639	3.846	3.185	2.950	2.809	2.721	2.546	2.833	2.466	2.308	2.537	2.698	3.408
REGION. COEF. VAR	.469	.534	.538	.538	.533	.529	.522	.510	.510	.516	.495	.502	.382
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.865	.2403	.2735	.2884	.3017	.3207	.3395	.3607	.3947	.4242	.4932	.6493	1.0000
RP10/A	.3100	.4057	.4669	.4925	.5145	.5452	.5766	.6083	.6662	.7091	.8112	1.0767	1.5576
RP25/A	.3788	.5036	.5780	.6062	.6295	.6703	.7087	.7463	.8130	.8632	.9779	1.3078	1.8498
RP50/A	.4284	.5752	.6586	.6882	.7119	.7605	.8040	.8458	.9181	.9735	1.0963	1.4733	2.0575
RP100/A	.4766	.6452	.7373	.7679	.7915	.8480	.8965	.9424	1.0197	1.0801	1.2103	1.6333	2.2874
RP1000/A	.6301	.8709	.9892	1.0215	1.0433	1.1269	1.1911	1.2500	1.3410	1.4173	1.5682	2.1391	2.8849
RP10000/A	.7772	1.0901	1.2325	1.2647	1.2832	1.3944	1.4736	1.5451	1.6470	1.7385	1.9065	2.6209	3.4781
PHP/A	1.5684	2.0967	2.4399	2.5722	2.6621	2.8321	2.9925	3.1312	3.4319	3.6116	4.0519	5.4312	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB U05 7161 3	STATION NAME PUENTE MILLS-WEISEL	ELEV 725	SEC 40	TWP 13N	RNG LOT 12W C 5	BWM 5	LATITUDE 33.954	LONGITUDE 117.923	COUNTY CODE 30
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0=DAYS H=HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150
2	2.71	3.37	3.71	3.87	4.06	4.26	4.59	4.92	5.44
5	4.08	5.19	5.76	5.98	6.27	6.56	7.07	7.50	8.33
10	4.98	6.43	7.13	7.37	7.70	8.02	8.63	9.16	10.28
20	5.83	7.62	8.42	8.67	9.05	9.42	10.16	10.70	12.00
25	6.09	7.99	8.82	9.07	9.45	9.82	10.56	11.10	12.40
40	6.84	8.76	9.66	9.91	10.29	10.66	11.40	11.94	13.24
50	6.89	9.12	10.05	10.30	10.68	11.05	11.79	12.33	13.63
100	7.66	10.23	11.25	11.49	11.87	12.24	12.98	13.52	14.82
200	8.42	11.32	12.43	12.66	13.04	13.41	14.15	14.69	15.99
1000	10.13	13.81	15.19	15.29	15.69	16.09	16.83	17.37	18.63
10000	12.50	17.29	18.81	18.93	19.33	19.73	20.47	21.01	22.27
PHP	25.22	33.25	37.24	38.49	40.97	42.97	46.97	49.97	54.97
MEAN	2.999	3.811	4.174	4.315	4.587	4.859	5.222	5.585	6.297
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.976	.928	.781	.713	.664	.615	.566	.517	.468
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100
KURTOSIS	3.540	3.711	3.086	2.632	3.140	3.140	3.140	3.140	3.140
N	44	44	44	44	44	44	44	44	44
RECORD YEAR	1956	1943	1943	1943	1941	1941	1941	1941	1941
RECORD MAXIMUM	6.330	8.920	9.140	9.140	9.140	9.140	9.140	9.140	9.140
NORMALIZED MAX	2.241	2.563	2.320	2.115	2.046	2.046	2.046	2.046	2.046
CALC. COEF. VAR	.498	.523	.513	.531	.531	.531	.531	.531	.531
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513
MEAN/A	.1891	.2403	.2633	.2721	.2857	.2993	.3129	.3265	.3401
RP10/A	.3143	.4058	.4494	.4647	.4800	.4953	.5099	.5245	.5391
RP25/A	.3841	.5037	.5563	.5721	.5879	.6037	.6195	.6353	.6511
RP50/A	.4345	.5752	.6339	.6495	.6651	.6807	.6963	.7119	.7275
RP100/A	.4833	.6452	.7096	.7247	.7398	.7549	.7700	.7851	.8002
RP1000/A	.6389	.8709	.9521	.9640	.9759	.9878	.9997	1.0116	1.0235
RP10000/A	.7862	1.0902	1.1862	1.1982	1.2099	1.2216	1.2333	1.2450	1.2567
PHP/A	1.5904	2.0969	2.3492	2.4275	2.5058	2.5841	2.6624	2.7407	2.8190

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 7748 1	STATION NAME SAN DIMAS DAM		ELEV 1350	SEC 24	TWP 01N	RNG LOT 09W	BWM 5	LATITUDE 34.153	LONGITUDE 117.771	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.18	5.18	5.59	5.96	6.23	6.38	6.65	7.05	7.70	8.35	9.48	12.63	20.36
5	6.10	7.65	8.59	9.18	9.61	9.95	10.31	10.92	11.63	12.68	14.35	18.86	28.56
10	7.43	9.70	10.67	11.40	11.93	12.24	12.85	13.59	14.49	15.67	17.32	21.73	33.75
20	8.71	11.47	12.67	13.54	14.17	14.54	15.28	16.15	17.43	18.54	20.95	27.31	38.53
25	9.11	12.03	13.30	14.21	14.88	15.27	16.05	16.96	18.30	19.45	21.97	28.62	40.00
40	9.96	13.29	14.61	15.62	16.35	16.78	17.65	18.65	20.10	21.34	24.10	31.34	43.04
50	10.35	13.75	15.23	16.28	17.04	17.49	18.40	19.45	20.95	22.23	25.10	32.63	44.45
100	11.57	15.44	17.13	18.31	19.17	19.68	20.72	21.88	23.56	24.97	28.19	36.56	48.73
200	12.77	17.10	19.00	20.32	21.27	21.83	23.00	24.26	26.13	27.66	31.21	40.45	52.88
1000	15.51	20.91	23.58	24.90	26.05	26.76	28.22	29.79	32.01	33.83	38.14	49.32	62.16
10000	19.35	26.25	29.29	31.33	32.80	33.69	35.55	37.51	40.28	42.48	47.88	61.79	74.85
PMP	35.72	48.97	54.85	58.70	61.45	63.14	66.71	70.36	75.41	79.29	89.30	114.80	155.35

CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.491	1.394	1.351	1.290	1.251	1.235	1.168	1.003	0.800	0.675	0.551	0.310	0.178
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	4.588	4.379	3.763	3.974	4.011	3.912	3.728	3.788	3.469	2.873	2.493	3.338	2.688
N	23	23	23	23	23	23	23	23	23	23	23	23	48
RECORD YEAR	1934	1943	1943	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	11.280	13.970	14.410	15.000	16.740	16.740	16.740	16.740	16.740	16.740	16.740	16.740	39.570
NORMALIZED MAX	2.302	2.255	2.273	2.334	2.408	2.408	2.339	2.217	2.007	1.865	1.694	2.431	2.115
CALC. COEF. VAR	.657	.610	.556	.580	.564	.556	.515	.466	.470	.492	.479	.479	.385
REGN. COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
USED COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
MEAN/A	2.141	2.688	2.916	3.110	3.256	3.334	3.480	3.690	4.016	4.337	4.919	6.524	1.0000
RP10/A	3.046	4.444	4.891	5.225	5.470	5.609	5.888	6.299	6.731	7.181	7.929	10.429	1.5469
RP25/A	4.177	6.514	7.051	7.491	7.781	7.934	8.376	8.919	9.491	10.070	11.070	13.311	1.8334
RP50/A	4.744	6.301	6.980	7.461	7.811	8.016	8.435	8.912	9.402	10.010	11.050	14.953	2.0372
RP100/A	5.301	7.074	7.850	8.693	9.086	9.016	9.996	10.030	10.798	11.442	12.914	16.756	2.2332
RP1000/A	7.106	9.951	1.0849	1.1411	1.1744	1.2266	1.293	1.3553	1.4673	1.5503	1.7482	2.2404	2.9487
RP10000/A	8.870	12.030	1.3424	1.4636	1.5033	1.5449	1.6291	1.7193	1.8459	1.9470	2.1945	2.8317	3.4304
PMP/A	1.6372	2.2445	2.5138	2.6993	2.8162	2.8936	3.0573	3.2247	3.4500	3.6341	4.0927	5.2613	7.1200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 7759 0	STATION NAME SAN FERNANDO	ELEV 965	SEC 09	TWP 02N	RNG LOT 15W	BWM 5	LATITUDE 34.273	LONGITUDE 118.464	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.66	3.37	3.76	3.97	4.08	4.26	4.60	4.92	5.41	5.79	6.63	8.82	15.11
5	3.68	5.11	5.76	6.11	6.29	6.58	7.12	7.61	8.31	8.79	10.04	13.18	21.20
10	4.73	6.31	7.17	7.60	7.81	8.17	8.88	9.48	10.32	10.67	12.34	16.20	25.05
20	5.34	7.47	8.52	9.02	9.28	9.71	10.58	11.26	12.24	12.68	14.65	19.09	28.59
25	5.80	7.83	8.94	9.47	9.74	10.20	11.09	11.83	12.85	13.49	15.37	20.00	29.69
40	6.34	8.59	9.82	10.41	10.71	11.21	12.20	13.01	14.12	14.80	16.80	21.91	31.94
50	6.59	8.95	10.24	10.85	11.16	11.68	12.72	13.56	14.72	15.42	17.56	22.80	32.99
100	7.36	10.05	11.51	12.20	12.55	13.14	14.32	15.26	16.55	17.32	19.71	25.35	36.16
200	8.12	11.13	12.77	13.54	13.93	14.58	15.90	16.94	18.36	19.19	21.83	28.27	39.24
1000	9.87	13.61	15.65	16.39	17.07	17.88	19.31	20.77	22.49	23.46	26.68	34.49	46.13
10000	12.32	17.09	19.69	20.88	21.46	22.25	24.57	26.16	28.29	29.46	33.49	43.16	55.55
PMP	22.73	31.89	36.07	39.12	40.24	42.27	46.11	49.06	52.98	55.00	62.46	80.23	115.30
MEAN	2.974	3.619	4.277	4.522	4.652	4.858	5.249	5.614	6.155	6.563	7.507	9.948	16.194
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.632	1.098	.851	.850	.638	.699	.587	.623	.674	.633	.781	.814	1.184
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	6.802	5.306	3.497	2.736	2.590	2.659	2.461	2.599	2.652	2.514	3.058	3.150	5.366
N	49	49	49	49	49	49	49	49	49	49	49	49	49
RECORD YEAR	1934	1943	1943	1944	1944	1943	1943	1946	1944	1944	1941	1941	1941
RECORD MAXIMUM	7.950	9.430	9.800	10.110	10.210	10.540	10.910	11.970	13.300	14.060	17.220	22.720	34.560
NORMALIZED MAX	3.080	3.694	2.484	2.368	2.216	2.157	2.012	2.186	2.256	2.269	2.680	2.706	3.565
CALC. COEF. VAR	.500	.475	.520	.535	.539	.542	.535	.516	.515	.499	.469	.474	.422
REGN. COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
USED COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
MEAN/A	1.836	2.358	2.641	2.793	2.873	3.000	3.241	3.467	3.801	4.053	4.636	6.143	1.0000
RP10/A	2.921	3.899	4.430	4.692	4.826	5.048	5.484	5.952	6.370	6.711	7.652	10.001	1.5469
RP25/A	3.582	4.838	5.520	5.849	6.016	6.296	6.851	7.305	7.793	8.132	9.491	12.553	1.8334
RP50/A	4.066	5.528	6.322	6.700	6.991	7.214	7.856	8.374	8.907	9.253	10.682	14.081	2.0372
RP100/A	4.604	6.206	7.009	7.536	7.752	8.015	8.818	9.424	10.018	10.492	12.170	15.690	2.2332
RP1000/A	6.094	8.065	9.603	10.247	10.540	11.039	12.045	12.828	13.886	14.488	16.676	21.287	2.9487
RP10000/A	7.606	10.553	12.157	12.895	13.264	13.895	15.173	16.154	17.469	18.195	20.882	26.666	3.4304
PMP/A	1.4039	1.9690	2.2766	2.4157	2.4848	2.6041	2.8474	3.0298	3.2768	3.3962	3.9570	4.9548	7.1200

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7762 0	STATION NAME SAN FERNANDO P M 3	ELEV 1248	SEC	TWP	RNG LOT	BM	LATITUDE 34.314	LONGITUDE 116.492	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.62	3.41	3.76	4.03	4.29	4.52	4.90	5.38	6.03	6.48	7.70	9.95	15.94
5	3.94	5.25	5.84	6.24	6.60	6.95	7.53	8.22	9.18	9.78	11.40	14.91	22.49
10	4.81	6.51	7.22	7.66	8.09	8.55	9.26	10.08	11.21	11.90	13.75	18.10	26.64
20	5.62	7.70	8.53	9.03	9.47	9.93	10.67	11.63	13.09	13.87	15.90	21.06	31.46
25	5.88	8.08	8.94	9.45	9.90	10.31	11.36	12.37	13.68	14.46	16.57	21.90	31.64
40	6.40	8.86	9.79	10.32	10.71	11.47	12.42	13.50	13.96	14.78	17.94	22.43	34.06
50	6.65	9.22	10.19	10.73	11.19	11.92	12.91	14.02	15.44	16.34	18.46	24.77	35.19
100	7.40	10.35	11.41	11.97	12.44	13.09	14.39	15.02	17.15	18.22	20.51	27.45	38.61
200	8.13	11.45	12.60	13.19	13.66	14.03	15.64	17.19	18.82	19.87	22.39	30.07	41.93
1000	9.78	13.97	15.30	15.93	16.40	17.06	19.12	20.72	22.56	23.78	26.58	35.96	49.34
PHF	12.06	17.48	19.07	19.72	20.17	21.86	23.66	25.61	27.71	29.17	32.31	44.08	59.49
PHF	24.34	33.62	37.74	40.10	42.16	44.39	48.84	51.90	57.73	60.61	68.87	91.29	123.83
MEAN	2.894	3.854	4.231	4.496	4.743	5.026	5.450	5.980	6.640	7.118	8.359	10.914	17.104
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.762	.926	.886	.726	.811	.884	1.170	1.252	1.339	1.197	1.039	1.204	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.049	3.166	2.359	2.196	2.485	2.675	3.668	3.925	4.191	3.602	3.039	3.764	3.459
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1958	1956	1969	1962	1962	1962	1969	1969	1969	1969	1969	1969	1958
RECORD MAXIMUM	5.010	7.800	6.320	6.860	10.420	11.170	14.520	15.500	16.930	17.310	18.740	25.890	35.060
NORMALIZED MAX	1.610	1.994	1.760	1.710	2.008	1.998	2.520	2.504	2.524	2.404	2.250	2.553	2.185
CALC. COEF. VAR	.454	.513	.549	.570	.566	.611	.658	.636	.614	.556	.552	.538	.480
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.513	.501	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1692	.2253	.2474	.2629	.2773	.2939	.3186	.3496	.3882	.4162	.4887	.6381	1.0000
RP10/A	.2813	.4004	.4223	.4489	.4729	.4996	.5411	.5895	.6552	.6957	.8038	1.0582	1.5576
RP25/A	.3437	.4722	.5228	.5526	.5786	.6143	.6652	.7233	.7996	.8468	.9689	1.2053	1.6498
RP50/A	.5581	.7593	.8957	.9674	.10543	.10969	.12546	.13977	.16197	.16951	.18833	1.4479	2.0575
RP100/A	.8325	.10849	.10668	.10000	.10735	.10772	.10414	.10333	.10029	.10597	.11992	1.0051	2.2574
RP1000/A	.5717	.8166	.8947	.9311	.9589	1.0327	1.1179	1.2115	1.3189	1.3905	1.5338	2.1023	2.8649
RP10000/A	.17052	.10221	1.1147	1.1529	1.1793	1.2779	1.3831	1.4974	1.6198	1.7056	1.8890	2.5758	3.4781
PHF/A	1.4230	1.9659	2.2008	2.3447	2.4850	2.5955	2.8086	3.0345	3.3753	3.5435	4.0147	5.3377	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7776 0	STATION NAME SAN GABRIEL CANYON P M	ELEV 744	SEC 22	TWP 10N	RNG 10W	LOT 10W	BM 5	LATITUDE 34.156	LONGITUDE 117.968	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.66	4.42	4.93	5.30	5.58	5.86	6.26	6.65	7.55	8.09	9.57	12.72	20.49
5	5.51	6.82	7.65	8.19	8.57	9.01	9.63	10.16	11.49	12.22	14.17	19.00	28.92
10	6.45	8.07	9.07	9.87	10.50	11.08	11.83	12.46	14.03	14.87	17.09	23.14	36.28
20	7.67	10.00	11.18	11.86	12.30	13.02	13.90	14.62	16.39	17.33	19.77	26.92	39.16
25	8.22	10.49	11.72	12.41	12.85	13.63	14.50	15.29	17.12	18.10	20.59	28.10	40.67
40	8.96	11.50	12.83	13.56	13.12	14.88	15.88	16.88	17.48	18.47	22.30	28.68	43.79
50	9.30	11.98	13.36	14.09	14.53	15.46	16.50	17.33	19.33	20.41	23.09	31.66	45.24
100	10.35	13.44	14.95	15.72	16.16	17.24	18.40	19.31	21.47	22.65	25.49	35.09	49.64
200	11.37	14.87	16.51	17.32	17.74	18.98	20.26	21.24	23.56	24.83	27.82	38.44	53.90
1000	13.68	18.14	20.66	20.91	21.30	22.91	24.44	25.61	28.24	29.72	33.03	45.96	63.44
10000	16.87	22.71	24.99	25.90	26.20	28.35	30.24	31.45	34.66	36.45	40.15	56.32	76.48
PHF	34.05	43.67	49.40	52.67	54.76	57.58	61.42	64.15	72.27	75.73	85.34	116.70	159.20
MEAN	4.849	5.605	5.547	5.904	6.159	6.520	6.967	7.390	8.312	8.694	10.388	13.951	21.989
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.615	1.775	1.431	1.216	1.162	1.219	1.184	1.127	1.200	1.164	.996	1.298	.797
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	5.891	7.012	5.084	4.156	3.931	4.491	4.911	4.822	5.070	4.888	4.061	5.322	3.360
N	70	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1916	1934	1934	1934	1934	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	16.320	14.450	15.030	15.050	15.050	16.180	20.820	21.240	23.310	24.780	26.610	39.920	45.460
NORMALIZED MAX	3.037	3.393	3.149	2.955	2.845	3.327	3.767	3.732	3.679	3.669	3.131	3.672	2.807
CALC. COEF. VAR	.510	.525	.543	.544	.546	.536	.520	.502	.491	.487	.471	.481	.370
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1841	.2276	.2522	.2685	.2801	.2965	.3168	.3361	.3780	.4045	.4724	.6345	1.0000
RP10/A	.3060	.3843	.4306	.4586	.4777	.5040	.5381	.5687	.6380	.6762	.7770	1.0522	1.5576
RP25/A	.4710	.6130	.6945	.7465	.7845	.8293	.8815	.9361	.1061	.1081	.1260	1.2780	1.6898
RP50/A	.6230	.8448	.1074	.10409	.10609	.10300	.10584	.10800	.10793	.10283	1.0500	1.4397	2.0575
RP100/A	.6706	.6111	.6799	.7150	.7349	.7840	.8367	.8780	.9766	1.0300	1.1592	1.5960	2.2574
RP1000/A	.6221	.8249	.9122	.9511	.9667	1.0418	1.1117	1.1646	1.2843	1.3515	1.5020	2.0903	2.8649
RP10000/A	.7674	1.0326	1.1366	1.1776	1.1913	1.2881	1.3754	1.4395	1.5774	1.6718	1.8260	2.5811	3.4781
PHF/A	1.5484	1.9661	2.2506	2.3951	2.4901	2.6183	2.7930	2.9172	3.2868	3.4441	3.8809	5.3072	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7926 0	STATION NAME SANTA FE DAM		ELEV 427	SEC 06	TWP 015	RNG LOT 10W	BWM S	LATITUDE 34.118	LONGITUDE 117.973	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.50	3.03	3.49	3.68	3.97	4.26	4.61	5.03	5.53	6.04	7.14	9.20	14.50
5	3.76	4.68	5.41	5.70	6.10	6.56	7.09	7.69	8.41	9.12	10.57	13.79	20.47
10	4.59	5.79	6.70	7.01	7.47	8.07	8.71	9.43	10.27	11.10	12.74	16.74	24.24
20	5.37	6.86	7.91	8.25	8.74	9.40	10.23	11.06	12.00	12.94	14.74	19.48	27.71
25	5.61	7.19	8.29	8.63	9.14	9.82	10.71	11.57	12.54	13.51	15.36	20.33	28.78
40	6.11	7.88	9.08	9.42	9.93	10.63	11.48	12.32	13.28	14.24	16.03	20.93	30.99
50	6.46	8.44	9.64	10.00	10.53	11.25	12.14	13.11	14.16	15.24	17.22	22.91	32.02
100	7.06	9.21	10.57	10.94	11.49	12.25	13.54	14.61	15.73	16.90	19.01	25.39	35.13
200	7.76	10.19	11.68	12.04	12.61	13.81	14.91	16.07	17.25	18.53	20.75	27.82	38.15
1000	9.33	12.43	14.18	14.55	15.14	16.67	17.99	19.37	20.68	22.18	24.83	33.26	44.89
10000	11.51	15.56	17.67	18.03	18.63	20.63	22.26	23.95	25.40	27.21	29.95	40.75	54.12
PMP	23.22	29.93	34.99	36.63	38.93	41.90	45.20	48.53	52.93	56.53	63.65	84.45	112.66

MEAN	2.762	3.431	3.922	4.107	4.379	4.746	5.128	5.591	6.087	6.639	7.748	10.095	15.561
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.759	1.565	1.385	1.263	1.142	1.003	1.003	1.004	1.132	1.143	1.028	1.450	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	7.682	6.544	5.564	2.878	2.385	3.284	3.677	3.767	4.125	3.940	3.182	5.780	3.069
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1956	1956	1956	1956	1956	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.670	6.350	6.750	6.750	6.760	11.020	12.690	13.310	14.860	15.470	17.020	27.140	30.340
NORMALIZED MAX	2.624	2.733	2.288	2.184	1.827	2.286	2.540	2.556	2.573	2.502	2.317	2.975	2.056
CALC. COEF. VAR	.494	.525	.536	.528	.526	.522	.521	.512	.512	.513	.501	.481	.462
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1775	.2205	.2521	.2639	.2814	.3050	.3295	.3593	.3912	.4266	.4979	.6487	1.0000
RP10/A	.2950	.3722	.4303	.4507	.4799	.5153	.5597	.6059	.6603	.7132	.8189	1.0759	1.5576
RP25/A	.3605	.4620	.5326	.5548	.5872	.6310	.6860	.7433	.8057	.8681	.9871	1.3047	1.8498
RP50/A	.4077	.5276	.6069	.6299	.6640	.7230	.7804	.8424	.9099	.9791	1.1066	1.4721	2.0575
RP100/A	.4536	.5919	.6794	.7027	.7383	.8063	.8703	.9386	1.0106	1.0863	1.2217	1.6319	2.2574
RP1000/A	.5596	.7989	.9115	.9348	.9732	1.0714	1.1562	1.2450	1.3290	1.4255	1.5930	2.1374	2.8849
RP10000/A	.7396	1.0001	1.1357	1.1574	1.1949	1.3305	1.4305	1.5389	1.6323	1.7405	1.9244	2.6188	3.4781
PMP/A	1.4924	1.9235	2.2293	2.3540	2.5017	2.6528	2.9049	3.1186	3.4012	3.6329	4.0900	5.4267	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 005 7950 0	STATION NAME SANTA MONICA 634	ELEV 64	SEC 07	TWP 025	RNG LOT 10W	BWM S	LATITUDE 34.012	LONGITUDE 118.401	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.68	3.03	3.25	3.52	3.78	3.92	4.16	4.53	5.16	5.60	6.62	8.47	13.02
5	4.05	4.67	5.05	5.45	5.82	6.04	6.39	6.92	7.86	8.46	9.81	12.69	16.37
10	4.94	5.78	6.24	6.71	7.13	7.42	7.86	8.48	9.60	10.30	11.82	15.41	21.76
20	5.77	6.85	7.38	7.89	8.34	8.72	9.23	9.95	11.22	12.00	13.68	17.93	24.87
25	6.03	7.18	7.73	8.26	8.72	9.12	9.66	10.41	11.72	12.53	14.25	18.72	25.84
40	6.57	7.87	8.46	9.02	9.40	9.96	10.55	11.35	11.96	12.79	15.43	19.10	27.82
50	6.82	8.20	8.81	9.38	9.86	10.35	10.96	11.79	13.23	14.13	15.98	21.09	26.74
100	7.59	9.20	9.86	10.48	10.96	11.54	12.22	13.14	14.70	15.68	17.84	23.38	31.53
200	8.34	10.18	10.89	11.52	12.04	12.71	13.48	14.46	16.12	17.19	19.25	25.61	34.24
1000	10.04	12.41	13.23	13.92	14.45	15.34	16.24	17.43	19.33	20.58	22.86	30.62	40.30
10000	12.38	15.54	16.48	17.23	17.77	18.98	20.09	21.55	23.74	25.24	27.79	37.51	48.58
PMP	24.48	29.69	32.63	35.05	37.15	38.55	40.89	43.66	49.46	52.44	59.08	77.13	101.13

MEAN	2.971	3.426	3.658	3.929	4.178	4.366	4.628	5.030	5.689	6.159	7.189	9.293	13.968
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.928	1.645	1.454	1.315	1.195	1.095	1.118	1.095	1.118	1.095	1.012	1.012	1.000
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	3.141	3.244	3.352	3.773	3.581	4.187	5.309	4.449	4.511	4.331	3.648	3.127	3.840
N	71	71	71	70	71	71	71	71	71	71	71	70	76
RECORD YEAR	1916	1956	1962	1962	1962	1962	1962	1962	1962	1962	1962	1969	1969
RECORD MAXIMUM	5.928	7.470	8.100	10.110	10.600	11.310	12.710	13.980	15.080	15.080	16.080	20.320	32.470
NORMALIZED MAX	2.057	2.531	2.545	3.283	3.292	3.323	3.523	3.393	3.395	3.072	2.613	2.693	3.409
CALC. COEF. VAR	.466	.467	.477	.479	.483	.474	.496	.485	.482	.472	.472	.441	.383
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2127	.2452	.2619	.2613	.2991	.3126	.3313	.3601	.4073	.4449	.5147	.6683	1.0000
RP10/A	.3535	.4841	.5100	.5131	.5817	.6173	.6587	.7371	.8074	.8731	.8465	1.1033	1.5576
RP25/A	.4320	.5140	.5534	.5913	.6242	.6532	.6917	.7451	.8389	.8972	1.0204	1.3401	1.8498
RP50/A	.4886	.5970	.6306	.6713	.7059	.7411	.7847	.8444	.9473	1.0119	1.1440	1.5096	2.0575
RP100/A	.5436	.6584	.7059	.7470	.7848	.8264	.8750	.9408	1.0522	1.1222	1.2630	1.7356	2.2574
RP1000/A	.7180	.8607	.9472	.9984	1.031	1.099	1.179	1.3837	1.4733	1.5837	1.919	2.6849	3.4781
RP10000/A	.8868	1.1125	1.1801	1.2336	1.2723	1.3580	1.4303	1.5425	1.6995	1.8072	1.9894	2.6556	3.4781
PMP/A	1.7887	2.1397	2.3381	2.5090	2.5594	2.7599	2.9200	3.1259	3.5412	3.7544	4.2282	5.5652	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 8023 3	STATION NAME SAWTELLE	ELEV 345	SEC 28	TMP 013	RNG LOT 15W 0	BWM S	LATITUDE 34.056	LONGITUDE 118.456	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.53	3.03	3.34	3.57	3.76	3.95	4.20	4.61	5.18	5.56	6.46	8.54	13.85
5	3.69	4.59	5.15	5.51	5.79	6.10	6.52	7.13	7.96	8.44	9.78	12.76	19.43
10	4.49	5.67	6.39	6.84	7.20	7.59	8.15	8.88	9.88	10.44	12.07	15.08	22.98
20	5.27	6.71	7.58	8.13	8.59	9.01	9.66	10.59	11.73	12.35	14.28	18.48	26.20
25	5.51	7.03	7.96	8.53	8.97	9.46	10.15	11.08	12.31	12.96	14.97	19.37	27.21
40	6.02	7.72	8.75	9.37	9.86	10.40	11.14	12.10	13.52	14.22	16.43	21.21	29.27
50	6.28	8.04	9.12	9.77	10.28	10.84	11.64	12.71	14.24	14.97	17.11	22.08	30.23
100	6.99	9.02	10.25	10.99	11.56	12.20	13.10	14.30	15.85	16.63	19.20	24.74	33.14
200	7.72	10.00	11.37	12.19	12.83	13.53	14.55	15.87	17.58	18.43	21.27	27.37	35.98
1000	9.38	12.22	13.94	14.94	15.72	16.54	17.65	19.46	21.54	22.53	26.00	33.37	42.28
PMP	21.40	26.83	32.83	35.23	37.07	38.88	42.19	45.97	50.13	52.81	60.86	77.68	105.66
MEAN	2.826	3.429	3.809	4.073	4.285	4.506	4.802	5.260	5.896	6.302	7.315	9.631	14.848
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.328	1.536	1.221	1.324	1.149	1.072	1.105	1.040	1.165	1.094	1.008	1.844	1.864
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	10.420	5.570	4.281	4.985	4.415	3.971	4.439	4.383	4.813	3.966	3.949	3.575	3.628
RECORD YEAR	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
RECORD MAXIMUM	9.400	9.400	9.430	11.500	11.510	11.510	13.230	13.96	16.030	16.000	18.720	23.110	34.200
NORMALIZED MAX	4.137	3.277	2.789	3.353	3.174	2.929	3.341	3.256	3.376	3.125	3.095	2.903	3.196
CALC. COEF. VAR	.562	.531	.525	.544	.521	.539	.509	.509	.509	.509	.509	.509	.509
REGION. COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
USED COEF. VAR	.443	.490	.508	.510	.510	.512	.519	.516	.507	.492	.488	.471	.408
MEAN/A	.1904	.2310	.2567	.2745	.2867	.3038	.3236	.3544	.3973	.4247	.4929	.6490	1.0000
RP10/A	.3029	.3820	.4305	.4611	.4851	.5112	.5475	.5963	.6688	.7033	.8136	1.0565	1.5669
RP25/A	.3714	.4740	.5305	.5748	.6048	.6376	.6840	.7489	.8295	.8731	1.0091	1.3049	1.6334
RP50/A	.5218	.6414	.6844	.7364	.7627	.7935	.8481	.9199	.9979	1.0527	1.1875	1.4875	2.0372
RP100/A	.6713	.8081	.8609	.9106	.9372	.9681	1.0218	1.0829	1.1601	1.2055	1.2940	1.6670	2.2332
RP1000/A	.6519	.8235	.8931	1.0070	1.0594	1.1178	1.2026	1.3116	1.4514	1.5162	1.7517	2.2487	2.8487
RP10000/A	.7887	1.0340	1.1815	1.2673	1.3332	1.4070	1.5149	1.6516	1.8259	1.9067	2.1989	2.6171	3.3404
PMP/A	1.4557	1.9292	2.2125	2.3741	2.4977	2.6370	2.8429	3.0577	3.4166	3.5688	4.1009	5.2341	7.1200

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 8210 1	STATION NAME SIERRA MADRE DAM	ELEV 1100	SEC 1100	TMP 1100	RNG LOT 1100	BWM 1100	LATITUDE 34.176	LONGITUDE 118.042	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.75	4.95	5.49	5.86	6.29	6.42	6.86	7.66	8.32	8.73	10.12	13.27	21.83
5	5.05	7.63	8.53	9.07	9.66	9.68	10.55	11.61	12.67	13.17	14.99	19.61	30.82
10	6.90	9.45	10.55	11.16	11.84	12.15	12.97	14.24	15.47	16.03	18.08	23.94	36.50
20	8.07	11.19	12.46	13.13	13.86	14.27	15.24	16.70	18.07	18.69	20.91	27.74	41.73
25	8.43	11.74	13.06	13.74	14.48	14.93	15.95	17.47	18.67	19.51	21.74	28.91	43.34
40	9.19	12.87	14.30	15.01	15.79	16.30	17.41	19.06	19.27	19.92	23.59	31.33	46.67
50	9.54	13.40	14.88	15.60	16.38	16.94	18.09	19.80	20.31	20.97	24.43	32.45	48.21
100	10.61	15.03	16.66	17.41	18.21	18.89	20.17	22.08	23.67	24.42	26.97	35.66	52.89
200	11.66	16.64	18.40	19.17	20.00	20.60	22.21	24.27	25.97	26.77	29.43	38.46	57.60
1000	14.03	20.29	22.35	23.16	24.01	25.11	26.80	29.26	31.13	32.04	34.94	46.85	67.60
10000	17.31	25.40	27.85	28.67	29.52	31.07	33.16	36.16	39.23	39.30	42.48	56.66	81.50
PMP	34.92	48.86	55.13	58.31	61.71	63.10	67.34	73.29	79.67	81.66	90.29	120.76	169.65
MEAN	4.152	5.800	6.181	6.537	6.942	7.146	7.639	8.443	9.163	9.590	10.990	14.436	23.432
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.922	2.104	1.775	1.453	1.391	1.420	1.371	1.710	1.479	1.540	1.416	1.861	1.142
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.100	1.200	1.100	1.100	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.000	1.000
KURTOSIS	7.746	6.979	7.059	5.821	5.069	5.267	5.313	6.743	6.507	6.639	5.557	7.435	3.963
RECORD YEAR	1934	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	11.190	18.320	19.530	19.730	20.400	21.000	22.670	24.900	26.750	26.870	29.000	32.260	52.900
NORMALIZED MAX	3.085	3.783	3.995	3.435	3.117	3.136	3.126	3.065	3.303	3.469	3.365	3.945	2.671
CALC. COEFF. VAR	.549	.600	.601	.579	.591	.591	.580	.601	.586	.586	.543	.568	.438
REGION. COEFF. VAR	.494	.513	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEFF. VAR	.494	.513	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1772	.2390	.2638	.2790	.2963	.3050	.3260	.3603	.3910	.4093	.4690	.6161	1.0000
RP10/A	.2916	.4035	.4503	.4784	.5052	.5194	.5537	.6077	.6600	.6842	.7714	1.0215	1.5576
RP25/A	.3600	.5008	.5674	.5865	.6182	.6373	.6806	.7455	.8096	.8326	.9299	1.1848	1.6498
RP50/A	.4071	.5720	.6352	.6659	.6990	.7231	.7721	.8449	.9096	.9393	1.0426	1.3950	2.0575
RP100/A	.4529	.6410	.7110	.7429	.7772	.8063	.8609	.9414	1.0102	1.0421	1.1510	1.5304	2.2574
RP1000/A	.5987	.8661	.9539	.9882	1.0249	1.0715	1.1438	1.2487	1.3265	1.3675	1.4913	1.996	2.8400
RP10000/A	.7306	1.0841	1.1895	1.2236	1.2600	1.3258	1.4151	1.5434	1.6317	1.6774	1.8130	2.4180	3.4761
PMP/A	1.4493	2.0851	2.3529	2.4868	2.6337	2.6928	2.9733	3.1278	3.4001	3.4849	3.8532	5.1535	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 8703 51	STATION NAME TANBARK FLATS		ELEV 2750	SEC 06	TWP 01N	RNG LOT 08W C	8WM S	LATITUDE 34.206	LONGITUDE 117.761	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.54	5.82	6.47	6.98	7.34	7.72	8.17	8.69	9.51	10.23	12.10	15.54	24.85
5	6.84	8.97	10.04	10.79	11.28	11.68	12.57	13.28	14.47	15.45	17.93	23.28	35.07
10	8.35	11.11	12.43	13.29	13.82	14.41	15.44	16.29	17.67	18.80	21.61	28.26	41.54
20	9.77	13.15	14.68	15.63	16.17	17.10	18.16	19.11	20.64	21.92	25.00	32.89	47.49
25	10.21	13.79	15.38	16.30	16.91	17.96	19.00	19.98	21.57	22.66	26.05	34.32	49.33
40	11.12	15.13	16.84	17.87	17.28	19.61	20.74	21.80	22.02	23.36	28.20	35.03	53.11
50	11.54	15.75	17.53	18.57	17.12	20.55	21.85	22.95	23.52	25.81	30.21	38.07	54.87
100	12.84	17.67	19.62	20.72	21.26	22.72	24.03	25.24	27.05	28.64	32.24	42.87	60.20
200	14.11	19.55	21.67	22.83	23.34	25.02	26.46	27.76	29.67	31.39	35.19	46.95	65.37
1000	16.98	23.85	26.33	27.57	28.02	30.20	31.93	33.47	35.57	37.58	41.78	56.16	76.93
10000	20.90	29.85	32.50	34.13	34.48	36.50	37.57	39.69	46.09	50.79	68.79	92.75	
PMP	42.26	57.42	64.94	69.42	72.03	75.89	80.22	83.84	91.04	95.76	107.94	142.54	193.07
MEAN	5.024	6.581	7.280	7.783	8.102	8.594	9.100	9.659	10.471	11.246	13.140	17.044	26.667
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.908	1.571	1.559	1.443	1.485	1.620	1.798	1.743	1.688	1.426	1.474	1.867	1.012
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	7.746	6.046	5.361	4.842	4.996	5.801	7.203	6.949	6.668	5.682	6.131	7.367	3.496
N	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	14,320	19,140	20,900	20,900	21,660	25,980	30,910	31,864	33,320	33,800	36,310	55,870	62,800
NORMALIZED MAX	3.047	3.145	2.876	2.716	2.844	3.148	3.470	3.816	3.536	3.405	3.500	3.729	2.842
CALC. COEF. VAR	.494	.507	.451	.426	.433	.461	.527	.517	.589	.567	.511	.477	
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.884	2.468	2.730	2.918	3.038	3.223	3.412	3.622	3.926	4.217	4.927	6.390	1.0000
RP10/A	3.132	4.167	4.660	4.984	5.181	5.478	5.796	6.108	6.627	7.050	8.104	1.0597	1.5576
RP25/A	3.827	5.172	5.769	6.135	6.335	6.735	7.124	7.444	8.087	8.561	9.769	1.2871	1.8498
RP50/A	4.329	5.907	6.572	6.965	7.169	7.641	8.082	8.493	9.133	9.678	1.0952	1.4500	2.0579
RP100/A	4.816	6.626	7.358	7.772	7.971	8.521	9.012	9.463	1.0144	1.0738	1.2091	1.6074	2.2574
RP1000/A	6.366	8.943	9.873	1.0338	1.0567	1.1323	1.1973	1.2552	1.3340	1.4091	1.5666	2.1053	2.8849
RP10000/A	7.853	1.1195	1.2300	1.2800	1.2922	1.4011	1.4813	1.5515	1.6384	1.7284	1.9045	2.5795	3.4781
PMP/A	1.5846	2.1532	2.4350	2.6033	2.7010	2.8498	3.0081	3.1441	3.4140	3.5908	4.0478	5.3453	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB U05 9260 0	STATION NAME VAN NUYS FC 15	ELEV 695	SEC 01N	TWP 15W	RNG LOT 15W	8WM S	LATITUDE 34.180	LONGITUDE 118.451	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.91	3.56	3.93	4.35	4.60	4.73	4.98	5.33	5.82	6.14	7.27	9.45	14.21
5	4.39	5.48	6.09	6.73	7.07	7.29	7.66	8.15	8.87	9.27	10.77	14.15	20.05
10	5.36	6.79	7.54	8.28	8.67	8.96	9.42	9.99	10.83	11.28	12.98	17.18	23.75
20	6.27	8.04	8.91	9.74	10.15	10.52	11.06	11.72	12.65	13.15	15.02	19.99	27.15
25	6.55	8.43	9.33	10.20	10.60	11.01	11.57	12.26	13.21	13.73	15.65	20.87	28.21
40	7.14	9.25	10.22	11.14	10.83	12.02	12.64	13.37	13.49	14.62	16.94	21.29	30.37
50	7.41	9.63	10.63	11.58	11.99	12.50	13.13	13.89	14.92	15.49	17.54	23.51	31.37
100	8.24	10.80	11.91	12.92	13.33	13.93	14.64	15.48	16.57	17.18	19.37	26.08	34.42
200	9.06	11.95	13.15	14.23	14.64	15.34	16.12	17.03	18.18	18.83	21.14	28.55	37.38
1000	10.90	14.58	15.98	17.18	17.58	18.52	19.45	20.53	21.80	22.55	25.09	34.13	43.93
10000	13.44	18.25	19.40	21.27	21.62	22.91	24.07	25.37	26.77	27.66	30.50	41.82	53.03
PMP	27.13	35.10	39.40	43.27	45.18	46.53	48.67	51.42	55.78	57.46	64.83	86.66	110.40
MEAN	3.225	4.023	4.417	4.851	5.082	5.270	5.544	5.924	6.415	6.748	7.892	10.360	15.248
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.980	1.313	1.012	.686	.682	1.021	.757	.724	.707	.809	.823	1.143	1.280
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.200	1.200	1.200	1.100	1.100	1.000	1.100	1.000
KURTOSIS	4.002	6.194	4.094	2.797	2.752	2.805	2.860	2.935	2.694	2.930	3.241	4.186	5.366
N	48	48	48	48	48	48	48	49	49	49	49	49	49
RECORD YEAR	1934	1943	1943	1943	1943	1943	1949	1943	1962	1941	1941	1969	1941
RECORD MAXIMUM	9,760	10,830	11,310	11,510	11,610	12,240	13,020	13,450	14,240	15,280	18,770	25,080	37,750
NORMALIZED MAX	2.284	3.404	2.984	2.503	2.419	2.464	2.448	2.400	2.271	2.379	2.802	2.769	3.043
CALC. COEF. VAR	.484	.497	.523	.532	.531	.537	.551	.529	.537	.532	.492	.509	.441
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2115	.2638	.2897	.3181	.3333	.3456	.3636	.3885	.4207	.4425	.5176	.6794	1.0000
RP10/A	.3510	.4655	.4945	.5432	.5684	.5875	.6176	.6551	.7101	.7298	.8512	1.1267	1.5576
RP25/A	.3250	.4297	.4587	.4958	.5176	.5327	.5607	.5904	.6454	.6651	.7905	1.0201	1.3685
RP50/A	.3060	.4060	.4315	.4676	.4865	.5038	.5312	.5619	.6169	.6366	.7619	1.0000	1.3475
RP100/A	.5406	.7084	.7809	.8471	.8744	.9138	.9603	1.0149	1.0869	1.1266	1.2700	1.7090	2.2574
RP1000/A	.7147	.9582	1.0477	1.1268	1.1526	1.2143	1.2758	1.3462	1.4294	1.4788	1.6458	2.2384	2.8649
RP10000/A	.8816	1.1969	1.3053	1.3951	1.4176	1.5025	1.5784	1.6640	1.7556	1.8137	2.0005	2.7425	3.4781
PMP/A	1.7790	2.3021	2.5841	2.8375	2.9630	3.0518	3.2720	3.6582	3.7680	4.2517	5.6632	7.2400	

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 005 9464 1	STATION NAME WATERMAN GUARD STATION	ELEV 3290	SEC	TWP	RNG LOT	8WM	LATITUDE 34.266	LONGITUDE 118.144	COUNTY 70	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	5.03	6.25	6.96	7.40	7.78	8.12	8.69	9.22	10.11	10.73
5	7.58	9.64	10.79	11.44	11.98	12.50	13.36	14.09	15.39	16.20
10	9.25	11.94	13.35	14.09	14.65	15.37	16.43	17.28	18.72	20.41
20	10.81	14.13	15.77	16.37	17.15	18.06	19.30	20.26	21.90	22.98
25	11.30	14.82	16.53	17.35	17.93	18.89	20.19	21.20	22.94	24.49
40	12.31	16.25	18.10	18.95	19.31	20.63	22.04	23.12	24.49	25.24
50	12.78	16.92	18.84	19.69	20.27	21.44	22.91	24.02	25.90	27.06
100	14.22	18.98	21.08	21.97	22.54	23.91	25.54	26.77	28.77	30.03
200	15.62	21.01	23.29	24.26	24.75	26.32	28.12	29.45	31.96	32.92
1000	18.79	25.62	28.29	29.23	29.71	31.77	33.94	35.50	37.83	39.41
10000	23.18	32.07	35.25	36.19	36.54	39.31	41.99	43.88	46.47	48.33
PMP	46.78	61.69	69.77	73.60	76.38	79.84	85.27	88.93	96.83	100.42
MEAN	5.562	7.070	7.822	8.252	8.591	9.042	9.673	10.246	11.136	11.793
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.280	1.069	1.050	1.038	1.031	1.022	1.012	1.009	1.007	1.006
REGIONAL SKEW	1.400	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.273	7.299	5.792	4.962	5.156	6.259	6.000	6.311	5.672	5.504
N	46	46	46	46	46	46	46	46	46	46
RECORD YEAR	1938	1943	1943	1943	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	22.410	22.250	24.000	24.270	24.670	29.370	33.330	33.657	35.300	37.950
NORMALIZED MAX	2.130	3.451	3.276	3.201	2.981	3.499	3.715	3.538	3.429	3.379
CALC. COEF. VAR	.578	.622	.631	.606	.628	.643	.658	.646	.633	.637
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	.2012	.2558	.2630	.2985	.3108	.3271	.3500	.3707	.4029	.4267
RP10/A	.3345	.4319	.4401	.5098	.5301	.5560	.5944	.6251	.6880	.7133
RP25/A	.4088	.5361	.5780	.6276	.6486	.6838	.7306	.7684	.8682	.9772
RP50/A	.4623	.6122	.6815	.7125	.7334	.7756	.8288	.8691	.9371	.9792
RP100/A	.5143	.6867	.7628	.7950	.8155	.8649	.9242	.9684	1.0408	1.0865
RP1000/A	.6709	.9271	1.0235	1.0575	1.0747	1.1493	1.2270	1.2845	1.3688	1.4257
RP10000/A	.8387	1.1604	1.2752	1.3093	1.3220	1.5191	1.5877	1.6812	1.7487	1.9051
PMP/A	1.6924	2.2318	2.5244	2.6630	2.7632	2.8885	3.0849	3.2751	3.5031	3.6331

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 005 9660 0	STATION NAME WHITTIER CITY MALL FC 106	ELEV 320	SEC 28	TWP 025	RNG LOT 11W	8WM 5	LATITUDE 33.975	LONGITUDE 118.035	COUNTY 70	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.43	2.91	3.24	3.44	3.62	3.81	4.07	4.38	4.89	5.26
5	3.66	4.48	5.03	5.32	5.56	5.86	6.26	6.88	7.44	7.94
10	4.46	5.55	6.23	6.56	6.82	7.20	7.69	8.20	9.08	9.67
20	5.22	6.57	7.36	7.71	7.98	8.48	9.04	9.61	10.61	11.27
25	5.46	6.89	7.71	8.07	8.34	8.86	9.46	10.08	11.07	11.75
40	5.94	7.56	8.44	8.81	9.02	9.67	10.32	10.97	12.01	12.68
50	6.17	7.87	8.79	9.16	9.43	10.05	10.73	11.40	12.52	13.27
100	6.86	8.83	9.93	10.22	10.49	11.21	11.96	12.70	13.90	14.73
200	7.54	9.77	10.86	11.26	11.51	12.34	13.17	13.97	15.25	16.14
1000	9.07	11.92	13.19	13.60	13.82	14.89	15.89	16.84	18.28	19.32
10000	11.19	14.92	16.44	16.84	17.00	18.42	19.66	20.82	22.45	23.70
PMP	22.59	28.78	32.94	34.24	35.53	37.42	39.92	42.19	46.79	49.24
MEAN	2.686	3.289	3.648	3.939	4.238	4.529	4.861	5.381	5.763	6.037
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.389	1.276	1.007	.875	.884	.872	.894	.893	.934	.937
REGIONAL SKEW	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000
KURTOSIS	5.513	4.447	3.535	2.983	2.977	3.044	3.568	3.275	3.777	3.510
N	48	48	48	48	48	48	48	48	48	48
RECORD YEAR	1956	1943	1956	1938	1938	1969	1969	1962	1962	1941
RECORD MAXIMUM	6.100	7.190	8.020	8.100	8.630	9.560	11.360	11.720	13.140	13.710
NORMALIZED MAX	2.855	2.436	2.473	2.231	2.450	2.475	2.973	2.847	2.766	2.680
CALC. COEF. VAR	.445	.487	.485	.498	.494	.507	.509	.496	.523	.511
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	.1915	.2345	.2602	.2737	.2850	.3022	.3230	.3467	.3837	.4124
RP10/A	.3184	.3960	.4441	.4675	.4861	.5137	.5486	.5846	.6477	.6934
RP25/A	.3890	.4916	.5498	.5755	.5947	.6314	.6743	.7122	.7944	.8392
RP50/A	.4400	.5614	.6205	.6534	.6725	.7166	.7650	.8128	.9464	1.0038
RP100/A	.4895	.6297	.7013	.7290	.7478	.7991	.8530	.9057	.9914	1.0501
RP1000/A	.6471	.8500	.9410	.9697	.9857	1.0619	1.1333	1.2013	1.3038	1.3760
RP10000/A	.7982	1.0640	1.1724	1.2009	1.2123	1.3140	1.4021	1.4848	1.6902	1.8847
PMP/A	1.6107	2.0464	2.3209	2.4418	2.5338	2.6689	2.8472	3.0091	3.3367	3.5115

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W01 1266 0	STATION NAME CAIN RANCH	ELEV 451	SEC 6850	03	15P 20E	C H	8WM M	LATITUDE 37.892	LONGITUDE 119.091	COUNTY CODE 26			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.06	2.22	2.33	2.40	2.49	2.63	2.86	3.24	3.50	4.16	5.56	10.17
5	2.48	3.14	3.48	3.62	3.75	3.91	4.08	4.42	4.90	5.30	6.09	7.98	13.41
10	3.04	3.93	4.39	4.55	4.72	4.92	5.15	5.55	6.06	6.57	7.40	9.55	15.50
20	3.57	4.71	5.27	5.45	5.66	5.91	6.19	6.67	7.19	7.79	8.85	11.26	17.44
25	3.75	4.96	5.55	5.74	5.96	6.23	6.52	7.03	7.55	8.18	9.04	11.72	18.05
40	4.10	5.48	6.13	6.34	6.59	6.89	7.22	7.78	8.30	8.99	9.86	12.82	18.34
50	4.27	5.73	6.41	6.63	6.89	7.20	7.56	8.13	8.65	9.39	10.24	13.32	19.87
100	4.76	6.49	7.27	7.50	7.80	8.16	8.58	9.23	9.73	10.55	11.42	14.85	21.63
200	5.29	7.25	8.11	8.37	8.71	9.12	9.60	10.32	10.80	11.71	12.57	16.35	23.35
1000	6.46	9.00	10.07	10.38	10.81	11.31	11.96	12.84	13.26	14.39	15.20	19.80	27.20
10000	8.11	11.49	12.83	13.21	13.77	14.37	15.30	16.42	16.73	18.15	18.88	24.63	32.50
PMP	14.92	19.98	22.96	23.80	24.62	25.82	26.99	28.61	30.42	33.01	35.75	45.21	63.44
MEAN	1.912	2.390	2.587	2.705	2.793	2.899	3.070	3.331	3.696	3.997	4.631	6.180	10.798
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.388	1.826	1.680	1.698	1.544	1.678	1.535	1.308	1.016	.798	.902	.866	.656
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	4.448	7.026	6.478	6.748	6.179	6.025	5.787	5.102	4.344	3.311	3.925	3.537	2.736
RECORD YEAR	1956	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1938	1952
RECORD MAXIMUM	3.670	6.690	7.110	8.020	8.100	8.830	9.050	9.477	9.890	9.850	11.260	13.610	19.130
NORMALIZED MAX	2.095	3.075	2.962	3.238	3.221	3.451	3.310	3.238	3.054	2.743	2.953	2.936	2.268
CALC. COEF. VAR	.488	.585	.590	.607	.590	.593	.569	.559	.545	.534	.486	.474	.340
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
MEAN/A	.1771	.2214	.2396	.2505	.2586	.2685	.2843	.3085	.3423	.3701	.4289	.5723	1.0000
RP10/A	.2814	.3643	.4061	.4213	.4370	.4558	.4765	.5145	.5616	.6082	.6857	.8936	1.4358
RP25/A	.3468	.4573	.5136	.5316	.5522	.5767	.6042	.6509	.6991	.7576	.8376	1.0854	1.6711
RP50/A	.3952	.5303	.5936	.6138	.6380	.6667	.6998	.7521	.8009	.8681	.9487	1.2334	1.8404
RP100/A	.4429	.6009	.6728	.6948	.7228	.7558	.7947	.8546	.9013	.9770	1.0574	1.3748	2.0034
RP1000/A	.5985	.8333	.9323	.9609	1.0008	1.0476	1.0971	1.1701	1.2284	1.3322	1.4077	1.8334	2.5189
RP10000/A	.7513	1.0638	1.1884	1.2236	1.2751	1.3355	1.4170	1.5206	1.5497	1.6811	1.7481	2.2814	3.0101
PMP/A	1.3540	1.8484	2.1264	2.1856	2.2800	2.3907	2.4721	2.6497	2.8170	3.0572	3.3108	4.1857	5.6750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W01 3369 0	STATION NAME GEM LAKE		ELEV 8970	SEC 19	TWP 02S	RNG 26E	LOT M	8WM H	LATITUDE 37.752	LONGITUDE 119.143	COUNTY CODE 26		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.89	2.58	2.87	3.22	3.49	3.74	4.21	4.58	5.58	6.04	7.14	10.26	20.34
5	2.76	3.93	4.44	5.01	5.46	5.88	6.54	7.24	8.42	9.14	10.45	14.73	26.83
10	3.39	4.92	5.66	6.29	6.86	7.39	8.24	9.10	10.43	11.31	12.70	17.82	31.01
20	3.97	5.89	6.79	7.54	8.24	8.87	9.91	10.93	12.37	13.42	14.84	20.79	36.69
25	4.16	6.20	7.16	7.94	8.67	9.35	10.45	11.52	12.98	14.09	15.51	21.72	38.10
40	4.56	6.88	7.91	8.77	9.59	10.34	11.57	12.75	14.28	15.49	16.91	23.68	36.69
50	4.74	7.16	8.27	9.19	10.02	10.80	12.10	13.33	14.87	16.15	17.57	24.59	39.74
100	5.32	8.11	9.37	10.38	11.35	12.25	13.74	15.13	16.73	18.18	19.58	27.41	43.26
200	5.88	9.06	10.47	11.58	12.67	13.68	15.37	16.92	18.58	20.18	21.56	30.20	46.59
1000	7.19	11.25	12.99	14.35	15.71	16.98	19.14	21.05	22.81	24.78	26.57	35.56	54.40
PMP	16.26	24.95	29.62	32.64	35.80	38.74	42.74	46.90	52.30	56.87	61.32	83.49	126.88
MEAN	2.126	2.988	3.338	3.741	4.062	4.350	4.915	5.460	6.355	6.885	7.943	11.413	21.597
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.512	.351	.758	.711	.598	.566	1.001	1.115	.959	.811	.814	.775	.322
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	2.598	2.872	3.227	2.895	2.829	2.670	3.343	4.683	3.730	3.291	3.325	3.574	2.219
RECORD YEAR	1941	1956	1956	1956	1941	1941	1969	1969	1969	1969	1941	1941	1941
RECORD MAXIMUM	3.480	5.200	6.800	7.500	7.800	7.800	10.020	13.160	13.850	14.590	16.190	23.260	36.680
NORMALIZED MAX	1.725	2.131	2.551	2.375	2.257	2.288	2.450	3.225	2.780	2.664	2.609	2.599	2.271
CALC. COEF. VAR	.369	.347	.407	.423	.410	.417	.424	.437	.424	.420	.398	.399	.308
REGN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
MEAN/A	.0965	.1384	.1545	.1732	.1861	.2014	.2276	.2528	.2943	.3168	.3678	.5285	1.0000
RP10/A	.1564	.2277	.2619	.2913	.3178	.3420	.3814	.4214	.4827	.5239	.5880	.8251	1.4350
RP25/A	.1923	.2871	.3313	.3678	.4015	.4327	.4837	.5334	.6010	.6525	.7193	1.0059	1.6714
RP50/A	.2197	.3315	.3829	.4243	.4638	.5002	.5602	.6172	.6885	.7477	.8135	1.1388	1.8401
RP100/A	.2462	.3756	.4340	.4805	.5255	.5671	.6362	.7005	.7748	.8416	.9068	1.2694	2.0031
RP1000/A	.3327	.5209	.6014	.6645	.7276	.7860	.8863	.9746	1.0560	1.1475	1.2072	1.6928	2.5875
RP10000/A	.4176	.6650	.7650	.8481	.9271	1.0021	1.1344	1.2665	1.3322	1.4480	1.4991	2.1064	3.0101
PMP/A	.7527	1.1554	1.3716	1.5113	1.6378	1.7938	1.9790	2.1718	2.4217	2.6333	2.8392	3.8656	5.8750

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W01 5779 0	STATION NAME MONO LAKE	ELEV 93	SEC 6450	SEC 30	TWP 02N	RNG LOT 26E C M	8MM C M	LATITUDE 38.008	LONGITUDE 119.151	COUNTY CODE 26			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.78	3.14	3.26	3.47	3.76	3.96	4.19	4.44	4.76	5.62	6.98	12.49
5	3.07	4.19	4.85	4.97	5.32	5.75	6.00	6.32	6.55	7.04	8.06	9.92	16.40
10	3.69	5.13	5.97	6.08	6.51	7.02	7.30	7.67	7.86	8.45	9.59	11.81	18.83
20	4.27	6.01	7.01	7.10	7.61	8.18	8.49	8.91	9.06	9.74	10.90	13.56	21.04
25	4.46	6.29	7.34	7.42	7.96	8.54	8.86	9.29	9.43	10.11	11.31	14.11	21.73
40	4.83	6.87	8.01	7.98	8.13	9.28	9.61	10.08	10.18	10.95	12.15	14.36	23.12
50	5.01	7.14	8.33	8.38	8.49	9.62	9.96	10.40	10.53	11.33	12.54	15.76	23.77
100	5.55	7.97	9.29	9.31	10.00	10.66	11.03	11.56	11.59	12.47	13.72	17.35	25.73
200	6.07	8.76	10.23	10.21	10.97	11.67	12.06	12.63	12.61	13.57	14.84	18.91	27.62
1000	7.25	10.61	12.35	12.25	13.16	13.93	14.37	15.04	14.89	16.02	17.34	22.40	31.83
10000	8.89	13.17	15.29	15.05	16.18	17.02	17.54	18.34	17.98	19.35	20.70	27.20	37.55
PMP	17.70	25.85	31.08	31.37	33.79	36.62	37.60	39.24	39.34	42.36	46.13	55.21	77.08
MEAN	2.315	3.095	3.501	3.595	3.833	4.113	4.324	4.568	4.780	5.128	5.976	7.547	13.120
CLOCK MR. COR.	1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.091	2.077	2.073	2.139	1.899	1.946	1.877	1.909	1.727	1.519	1.447	1.344	1.141
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.100	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.100	1.000
KURTOSIS	6.636	6.578	7.831	7.311	6.459	6.835	6.791	6.635	6.309	5.008	5.618	5.006	4.306
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1963	1963	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	6.130	9.050	12.250	12.400	12.930	14.020	14.700	14.700	14.740	16.000	18.300	27.100	25.100
NORMALIZED MAX	2.314	2.457	2.907	2.949	2.959	3.107	3.190	3.176	3.135	2.840	3.011	2.879	2.636
CALC. COEF. VAR	.712	.783	.859	.831	.802	.775	.752	.698	.665	.660	.594	.498	.376
REGION. COEF. VAR	.493	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
MEAN/A	1.765	2.359	2.669	2.740	2.921	3.135	3.296	3.482	3.643	3.909	4.555	5.753	1.0000
RP10/A	.2813	.3907	.4547	.4632	.4962	.5349	.5562	.5844	.5944	.6442	.7202	.9000	1.4351
RP25/A	.3397	.4797	.5594	.5655	.6066	.6509	.6750	.7081	.7187	.7727	.8622	1.0756	1.6560
RP50/A	.3818	.5442	.6349	.6388	.6856	.7336	.7594	.7961	.8030	.8635	.9561	1.2013	1.8119
RP100/A	.4227	.6071	.7092	.7096	.7619	.8128	.8406	.8808	.8836	.9503	1.0455	1.3228	1.9611
RP1000/A	.5529	.8088	.9415	.9335	1.0035	1.0620	1.0957	1.1466	1.1348	1.2210	1.3216	1.7071	2.4261
RP10000/A	.6777	1.0035	1.1056	1.1468	1.2335	1.2976	1.3368	1.3978	1.3703	1.4741	1.5781	2.0731	2.8619
PMP/A	1.3491	1.9700	2.3686	2.3907	2.5752	2.7915	2.8857	2.9911	2.9963	3.2285	3.5165	4.2080	5.8750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 50 51	STATION NAME ALABAMA HILLS	ELEV 447	SEC 3675	TWP 30	RNG LOT 02N 26E	8MM C M	LATITUDE 36.671	LONGITUDE 118.004	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.97	1.06	1.17	1.19	1.19	1.24	1.27	1.29	1.41	1.46	1.61	1.94	3.43
5	1.67	1.98	2.16	2.20	2.23	2.32	2.37	2.39	2.55	2.61	2.75	3.30	5.20
10	2.16	2.63	2.87	2.93	2.97	3.09	3.17	3.19	3.36	3.42	3.53	4.23	6.34
20	2.63	3.27	3.56	3.64	3.69	3.84	3.97	3.97	4.14	4.21	4.27	5.13	7.40
25	2.78	3.48	3.78	3.86	3.93	4.08	4.22	4.23	4.39	4.46	4.50	5.42	7.73
40	3.10	3.91	4.25	4.34	4.41	4.58	4.75	4.75	4.91	4.97	4.98	6.01	7.89
50	3.25	4.11	4.46	4.56	4.64	4.82	5.00	5.00	5.15	5.22	5.21	6.29	8.71
100	3.70	4.75	5.14	5.25	5.34	5.55	5.78	5.77	5.90	5.97	5.91	7.15	9.48
200	4.15	5.37	5.81	5.93	6.04	6.26	6.55	6.54	6.64	6.72	6.59	7.99	10.61
1000	5.19	6.82	7.34	7.51	7.64	7.85	8.33	8.31	8.34	8.43	8.15	9.92	12.71
10000	6.65	8.88	9.52	9.73	9.91	10.31	10.87	10.83	10.78	10.84	10.33	12.63	15.00
PMP	12.40	15.90	17.49	17.69	18.24	18.97	19.50	19.41	20.22	20.36	20.33	24.16	32.45
MEAN	1.164	1.351	1.455	1.461	1.493	1.552	1.601	1.624	1.720	1.775	1.883	2.289	3.778
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.409	2.231	2.043	2.151	2.205	2.204	2.233	2.239	2.017	2.059	2.019	1.868	1.876
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.600	1.500	1.100
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.600	1.500	1.100
KURTOSIS	10.320	9.470	8.375	8.865	9.073	8.486	8.482	8.541	7.380	7.567	7.441	7.432	3.662
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	4.520	5.570	5.800	6.190	6.420	6.420	6.440	6.500	6.500	6.560	6.560	8.040	9.300
NORMALIZED MAX	3.513	3.193	3.081	3.021	3.020	3.042	3.145	3.145	3.145	3.145	3.145	3.587	2.868
CALC. COEF. VAR	.821	.622	.789	.805	.820	.816	.807	.782	.655	.655	.655	.726	.599
REGION. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.3080	.3577	.3851	.3920	.3951	.4110	.4239	.4300	.4554	.4699	.4986	.6060	1.0000
RP10/A	.5717	.6960	.7598	.7734	.7864	.8179	.8401	.8436	.8893	.9056	.9338	1.1206	1.6785
RP25/A	.7313	.9201	1.0016	1.0251	1.0390	1.0807	1.1167	1.1265	1.1816	1.1912	1.2132	1.4343	2.0653
RP50/A	.8595	1.0891	1.1818	1.2073	1.2270	1.2762	1.3036	1.3242	1.3630	1.3816	1.3794	1.6648	2.3079
RP100/A	.9801	1.2563	1.3600	1.3997	1.4131	1.4696	1.5292	1.5285	1.5616	1.5812	1.5636	1.8914	2.5618
RP1000/A	1.3735	1.8605	1.9438	1.9872	2.0227	2.1038	2.2059	2.2010	2.2316	2.2316	2.1574	2.6261	3.3646
RP10000/A	1.7468	2.3520	2.5200	2.5765	2.6144	2.7289	2.7468	2.8449	2.8449	2.8449	2.7449	3.3437	4.1895
PMP/A	3.2837	4.2296	4.6307	4.7371	4.8283	5.0226	5.1615	5.1386	5.3530	5.3699	5.3622	6.3958	8.5900

PEARSON TYPE III DISTRIBUTION USED
PROBABLE PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY			
W03 776 0	BIG PINE PH 3	450	5400	25	095	33E	M	37.126	118.323	14			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.91	2.27	2.44	2.51	2.56	2.65	2.74	2.86	3.18	3.35	3.65	5.03	8.01
5	3.27	4.16	4.52	4.66	4.79	4.95	5.13	5.29	5.77	5.99	6.60	8.55	12.13
10	4.23	5.54	6.00	6.20	6.38	6.60	6.87	7.07	7.60	7.85	8.46	10.98	14.78
20	5.16	6.90	7.45	7.70	7.94	8.21	8.59	8.81	9.36	9.64	10.23	13.32	17.24
25	5.45	7.33	7.91	8.18	8.44	8.72	9.14	9.37	9.93	10.21	10.79	14.06	18.01
40	6.07	8.24	8.88	9.18	9.47	9.79	10.29	10.54	11.09	11.40	11.95	15.59	19.38
50	6.36	8.67	9.33	9.65	9.96	10.30	10.83	11.09	11.65	11.97	12.50	16.32	20.32
100	7.25	10.00	10.74	11.11	11.47	11.86	12.51	12.80	13.34	13.69	14.16	18.54	22.58
200	8.13	11.32	12.14	12.56	12.97	13.41	14.18	14.51	15.02	15.40	15.81	20.73	24.74
1000	10.16	14.38	15.35	15.89	16.42	16.97	18.05	18.44	18.87	19.33	19.54	25.74	29.63
10000	13.02	18.72	19.50	20.00	21.31	22.02	23.54	24.02	24.31	24.68	24.77	32.77	36.36
MP	24.29	33.51	36.59	37.88	39.20	40.51	42.23	43.04	44.76	46.08	46.76	62.68	75.84
MEAN	2.279	2.847	3.041	3.134	3.208	3.315	3.468	3.602	3.891	4.070	4.517	5.938	8.808
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.761	1.069	1.175	1.233	1.299	1.348	1.426	1.496	1.778	1.971	1.840	2.189	1.553
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	2.899	3.520	3.880	3.954	4.071	5.341	8.155	8.155	7.336	8.538	8.393	10.418	8.608
N	44	44	44	44	44	44	44	44	44	44	44	44	44
RECORD YEAR	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.920	7.320	8.880	9.400	11.030	11.030	14.350	14.550	14.840	15.960	17.080	24.330	28.630
NORMALIZED MAX	1.066	2.275	2.721	2.809	3.273	3.026	3.914	3.922	3.840	4.023	4.062	4.347	3.814
CALC. COEF. VAR	0.821	0.691	0.706	0.722	0.745	0.765	0.801	0.775	0.734	0.723	0.685	0.712	0.590
REGION. COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.653	0.637	0.506
USED COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.653	0.637	0.506
MEAN/A	2.588	3.233	3.454	3.559	3.643	3.765	3.939	4.091	4.419	4.622	5.129	6.744	1.0000
RP10/A	4.803	6.292	6.814	7.041	7.250	7.493	7.805	8.025	8.629	8.899	9.866	12.471	1.6789
RP25/A	6.192	8.325	8.894	9.290	9.580	9.901	1.0375	1.0640	1.1271	1.1599	1.2256	1.5962	2.0453
RP50/A	7.220	9.844	1.0598	1.0963	1.1313	1.1692	1.2297	1.2597	1.3225	1.3589	1.4191	1.8528	2.3079
RP100/A	8.214	11.387	1.2196	1.2819	1.3029	1.3465	1.4207	1.4542	1.5152	1.5582	1.6086	2.1050	2.5818
RP1000/A	1.1536	1.6331	1.7432	1.8044	1.8649	1.9274	2.0495	2.0938	2.1434	2.1948	2.2194	2.9226	3.3648
RP10000/A	1.4784	2.1263	2.2559	2.3399	2.4197	2.5007	2.6729	2.7282	2.7804	2.8210	2.8128	3.7213	4.1295
MP/A	2.7586	3.8058	4.2429	4.3014	4.4517	4.6008	4.7955	4.8883	5.1941	5.3032	5.5369	7.1181	8.5900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE				
W03 822 0	BISHOP A P	7	4106	05 075	33E	M	37.367	118.367	14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.22	1.42	1.51	1.53	1.60	1.65	1.70	1.75	1.90	2.09	2.30	2.91	4.92
5	2.10	2.60	2.86	2.89	3.00	3.09	3.18	3.24	3.44	3.74	3.94	4.95	7.48
10	2.72	3.47	3.72	3.78	3.99	4.11	4.28	4.33	4.53	4.89	5.06	6.36	9.09
20	3.31	4.32	4.62	4.69	4.97	5.12	5.32	5.39	5.58	6.02	6.12	7.71	10.81
25	3.50	4.59	4.90	4.98	5.28	5.43	5.66	5.73	5.91	6.37	6.46	8.14	11.08
40	3.90	5.16	5.50	5.59	5.92	6.10	6.37	6.45	6.61	7.11	7.15	9.03	11.31
50	4.08	5.43	5.78	5.88	6.23	6.42	6.70	6.79	6.94	7.48	7.47	9.45	12.50
100	4.66	6.26	6.66	6.77	7.18	7.39	7.75	7.84	7.95	8.54	8.47	10.73	13.88
200	5.23	7.09	7.52	7.65	8.11	8.36	8.78	8.88	8.95	9.61	9.45	12.00	15.22
1000	6.53	9.00	9.51	9.68	10.27	10.56	11.17	11.29	11.28	12.08	11.69	14.90	18.23
10000	8.36	11.72	12.34	12.55	13.33	13.73	14.57	14.70	14.48	15.51	14.81	18.47	22.37
MP	15.61	20.97	22.67	23.07	24.52	25.26	26.15	26.35	27.25	29.12	29.15	36.29	46.54
MEAN	1.464	1.782	1.888	1.909	2.006	2.067	2.147	2.205	2.316	2.539	2.701	3.438	5.418
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.028	1.124	0.994	0.966	1.073	1.101	1.053	1.089	1.178	1.780	1.703	2.303	1.489
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500
KURTOSIS	3.811	3.619	3.070	2.977	3.474	3.965	7.550	7.737	6.747	7.167	6.532	10.570	5.035
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1969	1945	1943	1943	1967	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.500	4.980	4.980	4.980	5.790	6.400	6.820	6.897	6.920	9.660	9.660	15.330	17.280
NORMALIZED MAX	2.472	2.720	2.250	2.221	2.846	2.776	3.037	3.046	3.000	3.577	3.577	5.056	3.659
CALC. COEF. VAR	0.643	0.726	0.730	0.724	0.741	0.755	0.810	0.784	0.770	0.748	0.748	0.792	0.633
REGION. COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.748	0.730	0.717	0.698	0.653	0.637	0.506
USED COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.653	0.637	0.506
MEAN/A	2.702	3.289	3.479	3.524	3.703	3.815	3.984	4.070	4.280	4.686	4.985	6.347	1.0000
RP10/A	5.015	6.601	6.885	6.971	7.731	7.892	7.855	7.764	8.355	9.733	9.910	11.737	1.6785
RP25/A	6.167	8.689	9.019	9.079	9.919	10.041	1.041	1.0586	1.1017	1.1761	1.1910	1.502	2.0453
RP50/A	7.544	1.0016	1.0678	1.0853	1.1801	1.1847	1.2376	1.2532	1.2809	1.3778	1.3792	1.7437	2.3079
RP100/A	8.596	1.1583	1.2280	1.2493	1.3844	1.4296	1.4666	1.4676	1.5061	1.5633	1.5633	1.9810	2.5810
RP1000/A	1.2050	1.6612	1.7563	1.7864	1.9959	1.9929	2.0826	2.0831	2.0760	2.2254	2.1569	2.7564	3.3648
RP10000/A	1.8439	2.1825	2.2769	2.3131	2.5482	2.5332	2.6889	2.7162	2.6736	2.8624	2.7336	3.5211	4.1295
MP/A	2.8808	3.6712	4.1841	4.2593	4.5257	4.6861	4.8282	4.8633	5.0307	5.3751	5.3011	6.8588	8.5900

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 35 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 2069 0	STATION NAME COTTONWOOD CREEK	ELEV 453	SEC 10600	TWP 03	RNG LOT 175 35E	8MM M	LATITUDE 36.484	LONGITUDE 118.181	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.64	2.01	2.21	2.41	2.52	2.69	2.84	2.86	3.72	4.02	4.97	6.93	14.31
5	2.81	3.68	4.08	4.46	4.71	5.02	5.32	5.29	6.74	7.18	8.51	11.77	21.68
10	3.63	4.90	5.42	5.94	6.27	6.69	7.12	7.06	8.87	9.41	10.92	15.12	26.43
20	4.43	6.10	6.73	7.37	7.80	8.32	8.90	8.81	10.93	11.57	13.21	18.34	38.84
25	4.68	6.48	7.14	7.83	8.29	8.84	9.47	9.36	11.59	12.26	13.93	19.35	32.20
40	5.21	7.29	8.02	8.79	9.31	9.93	10.66	10.53	12.95	13.68	15.43	21.47	32.87
50	5.46	7.67	8.43	9.24	9.79	10.44	11.22	11.09	13.60	14.36	16.13	22.46	36.34
100	6.22	8.85	9.70	10.64	11.28	12.02	12.96	12.80	15.86	16.43	18.28	25.52	40.34
200	6.98	10.02	10.96	12.03	12.75	13.59	14.70	14.50	17.54	18.48	20.40	28.54	44.23
1000	12.72	17.21	18.53	20.21	21.52	22.84	24.30	24.01	28.38	29.63	31.97	45.12	65.02
10000	11.17	16.56	17.97	19.73	20.94	22.33	24.30	24.01	28.38	29.63	31.97	45.12	65.02
PMP	20.85	29.64	33.02	36.27	38.53	41.08	43.75	43.02	53.40	56.01	62.93	86.30	135.26
MEAN	1.956	2.518	2.746	3.001	3.153	3.362	3.594	3.600	4.543	4.883	5.829	8.176	15.746
CLOCK HR. COR.	1.140	1.676	1.940	2.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.981	2.462	1.835	1.961	1.855	1.663	1.660	2.037	1.958	1.906	1.699	1.898	1.107
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.600	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.600	1.600	1.600	1.400	1.500	1.100
KURTOSIS	6.619	10.527	6.592	6.983	6.614	5.372	5.305	7.757	7.114	7.112	6.313	7.432	4.737
RECORD YEAR	19	19	19	19	19	19	19	19	19	19	22	22	23
RECORD MAXIMUM	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
NORMALIZED MAX	2.594	3.096	2.767	2.908	2.908	2.533	2.443	3.057	3.021	2.901	3.073	3.251	2.874
CALC. COEF. VAR	.482	.575	.566	.630	.627	.656	.639	.581	.711	.674	.582	.511	.333
REGN. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.1242	.1599	.1744	.1906	.2002	.2135	.2282	.2286	.2885	.3181	.3702	.5192	1.0880
RP10/A	.2305	.3113	.3441	.3770	.3985	.4249	.4523	.4485	.5635	.5978	.6933	.9602	1.6785
RP25/A	.2973	.4118	.4537	.4974	.5265	.5614	.6012	.5947	.7386	.7763	.8845	1.2290	2.0453
RP50/A	.3466	.4871	.5352	.5870	.6218	.6630	.7126	.7040	.8636	.9116	1.0242	1.4266	2.3079
RP100/A	.3953	.5618	.6159	.6787	.7161	.7635	.8232	.8127	.9894	1.0435	1.1810	1.6208	2.5618
RP1000/A	.5539	.8078	.8803	.9662	1.0250	1.0929	1.1875	1.1703	1.3994	1.4673	1.6819	2.2502	3.3646
RP10000/A	.7097	1.0518	1.1413	1.2529	1.3299	1.4180	1.5487	1.5248	1.8025	1.8942	2.0301	2.8652	4.1295
PMP/A	1.3242	1.8825	2.0972	2.3032	2.4468	2.6089	2.7787	2.7321	3.3916	3.5571	3.9902	5.4805	8.5900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 2071 0	STATION NAME COTTONWOOD GATES	ELEV 454	SEC 3775	TWP 35	RNG LOT 175 36E	8MM M	LATITUDE 36.419	LONGITUDE 118.037	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.46	1.65	1.76	1.77	1.79	1.86	1.91	2.01	2.21	2.35	2.69	3.45	5.57
5	2.51	3.01	3.25	3.29	3.35	3.47	3.57	3.71	4.01	4.20	4.60	5.86	8.44
10	3.25	4.01	4.32	4.37	4.46	4.63	4.79	4.96	5.27	5.51	5.90	7.53	10.28
20	3.96	5.00	5.37	5.43	5.55	5.75	5.98	6.18	6.50	6.77	7.14	9.13	12.00
25	4.19	5.31	5.70	5.77	5.90	6.11	6.36	6.57	6.88	7.17	7.53	9.64	12.53
40	4.66	5.97	6.40	6.47	6.62	6.86	7.17	7.39	7.70	8.00	8.34	10.69	12.79
50	4.88	6.28	6.72	6.80	6.97	7.22	7.54	7.78	8.08	8.40	8.72	11.19	14.14
100	5.57	7.24	7.74	7.83	8.02	8.31	8.72	8.98	9.25	9.61	9.69	12.71	15.70
200	6.25	8.20	8.74	8.85	9.07	9.40	9.88	10.18	10.42	10.81	11.03	14.21	17.21
1000	7.80	10.42	11.06	11.20	11.48	11.90	12.57	12.94	13.69	13.56	13.64	17.65	20.61
10000	10.00	13.56	14.34	14.92	14.90	15.44	16.40	16.95	18.66	17.44	17.29	22.87	25.30
PMP	18.65	24.27	26.35	26.70	27.41	28.40	29.42	30.20	31.72	32.76	34.63	42.90	52.63
MEAN	1.750	2.062	2.191	2.209	2.243	2.324	2.416	2.527	2.699	2.856	3.153	4.072	6.127
CLOCK HR. COR.	1.149	1.070	1.046	1.020	1.010	1.010	1.008	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.649	1.803	1.903	1.840	2.126	2.060	2.093	2.165	1.846	1.923	1.681	1.785	1.108
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.600	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.600	1.600	1.600	1.400	1.500	1.100
KURTOSIS	6.437	6.600	7.307	6.957	6.711	7.997	7.832	8.209	6.835	7.315	6.418	7.380	4.643
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969
RECORD MAXIMUM	5.100	6.780	6.160	6.160	9.320	9.320	9.320	9.730	10.260	10.440	14.800	17.180	17.180
NORMALIZED MAX	2.924	3.061	3.499	3.503	3.927	3.742	3.516	3.562	3.376	3.326	3.244	3.813	3.302
CALC. COEF. VAR	.655	.718	.778	.769	.803	.864	.812	.890	.772	.784	.681	.561	.546
REGN. COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2856	.3366	.3576	.3606	.3661	.3794	.3944	.4125	.4405	.4662	.5146	.6647	1.0000
RP10/A	.5300	.6550	.7056	.7134	.7286	.7551	.7816	.8092	.8603	.8886	.9637	1.2292	1.6785
RP25/A	.6634	.8866	.9304	.9412	.9627	.9977	1.0389	1.0729	1.1236	1.1699	1.2295	1.5733	2.0453
RP50/A	.7968	1.0249	1.0976	1.1107	1.1369	1.1782	1.2314	1.2702	1.3184	1.3766	1.4327	1.8282	2.3079
RP100/A	.9087	1.1822	1.2631	1.2705	1.3093	1.3569	1.4226	1.4662	1.5106	1.5665	1.6138	2.0708	2.5618
RP1000/A	1.2733	1.7000	1.8053	1.8281	1.8741	1.9422	2.0522	2.1113	2.1368	2.2137	2.2266	2.8048	3.3646
RP10000/A	1.6318	2.2133	2.3404	2.3706	2.4316	2.5199	2.6764	2.7510	2.7519	2.8473	2.8219	3.6679	4.1295
PMP/A	3.0442	3.9614	4.3007	4.3578	4.4736	4.6302	4.8020	4.9292	5.1781	5.3368	5.9548	7.0159	8.5900

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY	CODE
W03 3434 11	OLACIER LOOKE	456	8200					37.126	118.433	14	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	2.15	2.83	3.28	3.29	3.36	3.67	3.84	3.84	4.22	4.67	5.50
5	3.69	5.18	6.07	6.11	6.28	6.86	6.81	7.11	7.66	8.35	9.42
10	4.78	6.89	8.07	8.13	8.37	9.15	9.12	9.49	10.08	10.94	12.08
20	5.82	8.58	10.32	10.10	10.41	11.38	11.39	11.83	12.43	13.45	14.62
25	6.18	9.12	10.84	10.52	10.86	11.86	11.87	12.35	13.17	14.24	15.42
30	6.85	10.25	11.94	12.04	12.41	13.57	13.64	14.15	14.72	15.91	17.07
50	7.18	10.78	12.55	12.66	13.06	14.27	14.36	14.89	15.45	16.69	17.85
100	8.19	12.44	14.44	14.57	15.04	16.44	16.59	17.19	17.70	19.10	20.23
200	9.19	14.08	16.32	16.48	17.00	18.59	18.93	19.61	20.48	22.98	24.89
1000	11.47	17.88	20.64	20.83	21.52	23.53	23.94	24.76	25.64	28.95	31.11
10000	14.70	22.38	26.76	27.01	27.92	30.53	31.22	32.26	32.25	34.67	37.25
PMF	27.43	41.67	49.17	49.66	51.38	56.17	56.81	57.80	60.69	65.10	69.85
MEAN	2.573	3.541	4.089	4.109	4.204	4.597	4.601	4.837	5.163	5.676	6.452
CLOCK HR. COR.	1.158	1.078	1.046	1.050	1.018	1.010	1.000	1.000	1.000	1.000	1.008
CALCULATED SKEW	1.478	1.648	1.626	1.603	1.563	1.289	1.287	1.184	1.059	0.997	0.299
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.400	1.500
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.400	1.500

KURTOSIS	5.254	5.142	5.322	5.007	4.923	3.830	4.830	4.523	3.930	3.859	3.529
N	21	21	20	19	19	20	19	19	19	19	20
RECORD YEAR	1956	1953	1956	1956	1956	1956	1956	1956	1956	1956	1956
RECORD MAXIMUM	8.400	9.700	11.900	12.450	13.100	13.180	13.420	13.700	13.940	14.550	15.400
NORMALIZED MAX	2.279	2.270	2.404	2.407	2.481	2.330	2.543	2.491	2.376	2.281	2.443
CALC. COEF. VAR	0.653	0.766	0.794	0.843	0.853	0.802	0.794	0.736	0.718	0.638	0.518
REGION. COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.633
USED COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.633
MEAN/A	1.844	2.252	2.613	2.625	2.686	2.937	2.939	3.090	3.298	3.626	4.122
RP10/A	3.351	4.442	5.155	5.193	5.346	5.845	5.825	6.063	6.441	6.990	7.720
RP25/A	3.934	5.025	5.676	5.682	5.764	6.273	6.272	6.508	6.844	7.301	7.950
RP50/A	4.587	5.688	6.018	6.006	6.041	6.510	6.517	6.751	7.082	7.540	8.290
RP100/A	5.231	6.332	6.662	6.640	6.675	7.144	7.151	7.385	7.716	8.174	8.924
RP1000/A	7.330	11.426	13.108	13.339	13.751	15.034	15.082	15.884	17.131	18.202	20.228
RP10000/A	9.392	14.876	17.097	17.259	17.841	19.506	19.946	20.810	22.058	23.500	26.066
PMF/A	17.525	26.626	31.417	31.726	32.824	35.887	35.786	36.929	38.773	41.593	44.500

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY	CODE
W03 3710 0	HAIRWE	66	3830	02	215	37E F	M	36.137	117.957	14	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.27	1.48	1.60	1.63	1.68	1.71	1.76	1.87	2.09	2.19	2.54
5	2.19	2.71	2.96	3.02	3.13	3.19	3.30	3.46	3.79	3.91	4.34
10	2.63	3.61	3.92	4.02	4.18	4.25	4.44	4.62	4.99	5.13	5.97
20	3.45	4.50	4.88	4.99	5.19	5.29	5.52	5.66	6.15	6.30	6.74
25	3.65	4.78	5.19	5.30	5.52	5.62	5.88	6.13	6.51	6.67	7.11
40	4.06	5.37	5.82	5.95	6.19	6.31	6.62	6.89	7.28	7.45	7.87
50	4.25	5.65	6.12	6.26	6.51	6.64	6.97	7.25	7.64	7.82	8.23
100	4.85	6.52	7.04	7.20	7.50	7.64	8.05	8.37	8.76	8.95	9.33
200	5.44	7.38	7.96	8.14	8.48	8.64	9.12	9.49	9.88	10.07	10.41
1000	6.80	9.37	10.06	10.30	10.74	10.94	11.61	12.06	12.39	12.63	12.87
10000	8.71	12.21	13.05	13.35	13.93	14.20	15.14	15.71	15.95	16.24	16.31
PMF	16.25	21.88	23.97	24.55	25.66	26.12	27.17	28.15	30.02	30.50	32.11
MEAN	1.524	1.856	1.994	2.032	2.098	2.137	2.231	2.356	2.554	2.659	2.974
CLOCK HR. COR.	1.148	1.078	1.046	1.020	1.018	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.284	1.529	1.636	1.685	1.550	1.469	1.352	1.302	0.965	0.959	0.775
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400

KURTOSIS	4.955	5.527	5.880	5.353	6.077	5.693	5.004	4.537	3.230	3.257	3.012
N	48	48	46	46	46	46	46	46	46	46	46
RECORD YEAR	1940	1944	1967	1967	1967	1967	1967	1967	1967	1967	1969
RECORD MAXIMUM	3.300	4.770	6.000	6.000	6.500	6.500	6.500	6.510	6.800	6.990	10.740
NORMALIZED MAX	2.368	2.705	3.184	3.169	3.504	3.432	3.212	2.892	2.582	2.587	2.387
CALC. COEF. VAR	0.631	0.593	0.631	0.631	0.593	0.593	0.596	0.596	0.596	0.596	0.596
REGION. COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.633
USED COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.633
MEAN/A	2.474	3.012	3.236	3.297	3.405	3.469	3.622	3.824	4.145	4.316	4.827
RP10/A	4.591	5.862	6.384	6.523	6.777	6.905	7.177	7.502	8.095	8.320	9.041
RP25/A	4.990	6.775	7.418	7.607	7.955	8.123	8.539	8.946	9.613	1.0073	1.1534
RP50/A	5.613	7.913	8.930	9.186	9.574	9.774	10.367	10.715	11.606	12.091	13.356
RP100/A	6.781	10.581	11.428	11.691	12.178	12.408	13.083	13.592	14.214	14.924	15.139
RP1000/A	11.030	15.215	16.333	16.717	17.432	17.760	18.844	19.572	20.106	20.498	20.888
RP10000/A	14.133	19.818	21.175	21.678	22.817	23.043	24.578	25.502	25.894	26.565	26.772
PMF/A	26.371	34.546	38.911	39.849	41.811	42.395	44.093	45.894	48.723	49.599	52.111

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATED BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W03 4232 0	STATION NAME INDEPENDENCE	ELEV 72	SEC 3950	TWP 18	RNG 135	LOT 35E	BWM J	LATITUDE 36.801	LONGITUDE 118.185	COUNTY CODE 14			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.07	1.22	1.31	1.36	1.39	1.41	1.42	1.47	1.63	1.74	2.01	2.45	4.14
5	1.83	2.24	2.43	2.52	2.60	2.63	2.66	2.73	2.96	3.12	3.44	4.17	6.27
10	2.37	2.98	3.23	3.36	3.47	3.50	3.56	3.64	3.89	4.08	4.42	5.36	7.64
20	2.89	3.72	4.00	4.17	4.31	4.36	4.45	4.54	4.80	5.02	5.34	6.50	8.91
25	3.06	3.95	4.25	4.43	4.58	4.63	4.73	4.82	5.08	5.32	5.64	6.86	9.31
40	3.40	4.44	4.77	4.97	5.14	5.20	5.33	5.43	5.68	5.94	6.24	7.60	9.50
50	3.57	4.67	5.02	5.23	5.40	5.46	5.58	5.68	5.92	6.17	6.43	7.90	10.51
100	4.07	5.39	5.77	6.02	6.23	6.29	6.48	6.59	6.83	7.13	7.40	9.04	11.66
200	4.56	6.10	6.52	6.80	7.04	7.12	7.35	7.47	7.69	8.02	8.25	10.11	12.79
1000	5.70	7.75	8.25	8.60	8.91	9.01	9.35	9.49	9.67	10.06	10.21	12.55	15.32
10000	7.36	10.09	10.70	11.16	11.57	11.69	12.19	12.37	12.45	12.94	12.93	15.98	18.80
PMP	13.62	18.05	19.66	20.51	21.28	21.50	21.87	22.16	23.42	24.30	25.46	30.57	39.10
MEAN	1.276	1.534	1.635	1.697	1.741	1.760	1.796	1.854	1.992	2.118	2.359	2.896	4.552
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.710	3.030	3.225	2.910	2.700	2.682	2.592	2.610	2.371	2.213	2.023	1.733	1.494
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.600	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.600	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	13.446	16.008	18.101	14.913	13.412	13.335	12.617	13.037	10.800	9.449	8.159	6.850	4.243
N	70	70	70	70	70	70	70	70	70	70	70	70	70
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	5.720	8.500	9.900	9.900	9.900	9.900	9.900	10.110	10.110	10.270	10.630	11.630	13.030
NORMALIZED MAX	4.425	5.084	5.474	5.285	5.174	5.168	5.173	5.195	4.826	4.594	4.215	4.111	3.284
CALC. COEF. VAR	.785	.893	.923	.918	.905	.896	.872	.857	.844	.838	.796	.733	.572
REGION. COEF. VAR	.644	.718	.735	.739	.740	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.740	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2808	.3369	.3591	.3726	.3825	.3866	.3946	.4073	.4377	.4653	.5181	.6362	1.0000
RP10/A	.5211	.6557	.7086	.7375	.7613	.7693	.7820	.7991	.8548	.8970	.9704	1.1766	1.6785
RP25/A	.5816	.7265	.7834	.8171	.8406	.8486	.8613	.8784	.9341	.9763	1.0497	1.2559	1.7578
RP50/A	.7834	1.0260	1.1022	1.1483	1.1879	1.2004	1.2321	1.2544	1.3100	1.3662	1.4335	1.7481	2.3079
RP100/A	.8934	1.1835	1.2684	1.3218	1.3681	1.3825	1.4234	1.4479	1.5009	1.5656	1.6249	1.9860	2.5618
RP1000/A	1.2519	1.7018	1.8128	1.8901	1.9583	1.9789	2.0534	2.0850	2.1232	2.2098	2.2420	2.7573	3.3648
RP10000/A	1.6040	2.2057	2.3502	2.4510	2.5408	2.5676	2.6779	2.7167	2.7343	2.8423	2.8413	3.5109	4.1295
PMP/A	2.9930	3.9657	4.3187	4.5055	4.6747	4.7238	4.8047	4.8678	5.1450	5.3374	5.5931	6.7156	8.5900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W03 5066 2	STATION NAME LONE PINE	ELEV 459	SEC 3661	TWP 18	RNG 135	LOT 35E	BWM J	LATITUDE 36.600	LONGITUDE 118.061	COUNTY CODE 14			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.92	1.05	1.14	1.16	1.18	1.22	1.23	1.28	1.39	1.46	1.62	2.02	3.43
5	1.58	1.92	2.11	2.16	2.20	2.29	2.36	2.48	2.83	2.81	2.77	3.43	5.19
10	2.04	2.56	2.80	2.87	2.94	3.04	3.07	3.17	3.33	3.42	3.55	4.41	6.33
20	2.49	3.19	3.48	3.56	3.68	3.78	3.84	3.96	4.11	4.20	4.29	5.34	7.39
25	2.63	3.39	3.69	3.78	3.88	4.02	4.08	4.21	4.35	4.45	4.53	5.64	7.71
40	2.92	3.81	4.14	4.24	4.36	4.51	4.60	4.73	4.88	4.97	5.01	6.26	8.37
50	3.06	4.01	4.36	4.46	4.58	4.74	4.84	4.98	5.11	5.22	5.24	6.55	8.70
100	3.49	4.62	5.01	5.14	5.28	5.46	5.59	5.75	5.85	5.97	5.94	7.44	9.86
200	3.92	5.24	5.67	5.81	5.97	6.18	6.34	6.51	6.59	6.72	6.63	8.32	10.97
1000	6.05	8.65	9.17	9.35	9.56	9.82	10.07	10.28	10.27	10.43	10.31	12.69	16.48
10000	6.27	8.66	9.29	9.53	9.81	10.15	10.52	10.79	10.66	10.84	10.39	13.15	15.58
PMP	11.70	15.49	17.07	17.51	18.04	18.67	18.88	19.33	20.05	20.35	20.44	25.15	32.40
MEAN	1.098	1.316	1.420	1.449	1.476	1.520	1.551	1.617	1.706	1.774	1.894	2.382	3.772
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.642	1.330	1.142	1.275	1.509	1.444	1.636	1.849	1.588	1.650	1.499	1.424	.847
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.600	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.600	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	6.394	4.486	5.108	4.632	6.207	5.815	5.980	6.727	5.645	6.069	5.721	5.545	4.236
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1946	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.910	3.390	4.717	4.710	5.068	5.000	5.000	5.226	5.230	5.660	5.660	7.310	9.200
NORMALIZED MAX	2.783	2.440	3.057	3.037	3.451	3.222	3.320	3.142	2.981	3.191	3.127	3.305	3.027
CALC. COEF. VAR	.593	.640	.666	.650	.692	.705	.670	.711	.693	.686	.636	.626	.466
REGION. COEF. VAR	.644	.718	.735	.739	.740	.748	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.740	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2911	.3490	.3765	.3842	.3914	.4051	.4111	.4288	.4523	.4708	.5021	.6317	1.0000
RP10/A	.5402	.6792	.7427	.7610	.7778	.8032	.8122	.8322	.8669	.8969	.9460	1.1882	1.6785
RP25/A	.6966	.8687	.9793	1.0827	1.0293	1.0653	1.0829	1.1153	1.1537	1.1807	1.1998	1.4552	2.0453
RP50/A	.8122	1.0628	1.1553	1.1833	1.2155	1.2580	1.2835	1.3204	1.3537	1.3833	1.3893	1.7355	2.3079
RP100/A	.9262	1.2250	1.3295	1.3620	1.3999	1.4488	1.4829	1.5241	1.5510	1.5831	1.5748	1.9718	2.5818
RP1000/A	1.2970	1.7629	1.9002	1.9476	2.0037	2.0738	2.1391	2.1846	2.2342	2.2788	2.1788	2.7376	3.3616
RP10000/A	1.6630	2.2952	2.4635	2.5256	2.5900	2.6707	2.7897	2.8597	2.8254	2.8737	2.7537	3.4857	4.1295
PMP/A	3.1030	4.1080	4.5270	4.6427	4.7831	4.9503	5.0052	5.1239	5.3165	5.3963	5.4206	6.6674	8.5900

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W03 5088 10	STATION NAME LONG VALLEY RES	ELEV 4600	SEC 6800	TWP 37.579	RNG LOT 118.714	BWM 26	LATITUDE 37.579	LONGITUDE 118.714	COUNTY CODE 26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.83	2.19	2.39	2.50	2.54	2.61	2.70	2.81	3.15	3.46	4.05	5.15	9.07
5	3.14	4.01	4.43	4.64	4.74	4.86	5.06	5.21	5.71	6.19	6.93	8.74	13.74
10	4.07	5.34	5.68	6.17	6.32	6.50	6.78	6.95	7.52	8.11	8.89	11.23	16.75
20	4.96	6.64	7.30	7.67	7.86	8.09	8.47	8.67	9.27	9.97	10.76	13.62	19.54
25	5.24	7.06	7.76	8.14	8.35	8.59	9.01	9.22	9.82	10.55	11.34	14.38	20.41
40	5.83	7.94	8.70	9.14	9.37	9.61	10.14	10.37	10.98	11.79	12.56	15.95	23.63
50	6.11	8.35	9.15	9.61	9.86	10.15	10.68	10.91	11.52	12.37	13.13	16.69	23.63
100	6.97	9.83	10.53	11.05	11.35	11.69	12.34	12.59	13.20	14.16	14.89	18.96	25.56
200	7.92	10.91	11.90	12.50	12.84	13.21	13.99	14.27	14.87	15.93	16.61	21.20	28.03
1000	9.77	13.95	15.05	15.81	16.25	16.73	17.80	18.13	18.68	19.99	20.54	26.32	33.57
10000	12.51	18.03	19.51	20.51	21.09	21.70	23.21	23.63	24.05	25.71	26.03	33.51	41.20
PMP	23.35	32.28	35.85	37.69	38.80	39.93	41.64	42.34	45.26	48.27	51.24	64.11	85.71
MEAN	2.190	2.742	2.981	3.119	3.175	3.268	3.420	3.543	3.850	4.209	4.747	6.073	9.978
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.827	1.821	1.826	1.778	1.734	1.697	1.135	1.121	1.159	1.032	.919	1.029	1.378
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800
KURTOSIS	2.860	3.965	4.267	3.859	3.497	3.305	3.442	3.368	3.595	3.574	3.308	5.268	5.676
RECORD YEAR	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD MAXIMUM	1945	1956	1956	1956	1956	1956	1969	1956	1969	1969	1969	1969	1969
NORMALIZED MAX	4.800	7.180	8.540	8.760	8.830	9.010	9.170	9.230	10.120	11.160	11.630	17.470	25.200
CALC. COEF. VAR	1.852	2.415	2.622	2.528	2.510	2.484	2.337	2.290	2.462	2.642	2.526	3.164	3.237
REGION. COEF. VAR	.644	.667	.711	.715	.710	.708	.719	.699	.656	.625	.574	.593	.471
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2195	.2748	.2988	.3126	.3182	.3275	.3428	.3551	.3859	.4218	.4757	.6087	1.0000
RP10/A	.4074	.5348	.5772	.6186	.6320	.6517	.6799	.6988	.7536	.8137	.8813	1.1237	1.7478
RP25/A	.4253	.5706	.6149	.6609	.6759	.6952	.7240	.7429	.7976	.8577	.9253	1.1677	1.7478
RP50/A	.4325	.5869	.6319	.6788	.6938	.7130	.7418	.7607	.8154	.8755	.9431	1.1855	1.7478
RP100/A	.4685	.6653	.7152	.7603	.7753	.7945	.8233	.8421	.8968	.9569	1.0245	1.2669	1.7478
RP1000/A	.9768	1.3801	1.5841	1.5848	1.6288	1.6764	1.7836	1.8174	1.8719	2.0030	2.0586	2.6379	3.3648
RP10000/A	1.2541	1.8073	1.9552	2.0550	2.1134	2.1751	2.3261	2.3680	2.4107	2.5763	2.6089	3.3588	4.1295
PMP/A	2.3401	3.2547	3.5928	3.7778	3.8883	4.0017	4.1735	4.2430	4.5381	4.8380	5.1356	6.4247	8.5900

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W03 5284 1	STATION NAME MAMMOTH	ELEV 461	SEC 8930	TWP 37.599	RNG LOT 118.999	BWM 26	LATITUDE 37.599	LONGITUDE 118.999	COUNTY CODE 26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.24	2.97	3.28	3.48	3.59	3.65	4.21	4.63	5.28	5.84	8.47	11.63	26.36
5	3.84	5.44	6.06	6.45	6.70	7.20	7.88	8.56	9.58	10.45	14.50	19.77	39.93
10	4.97	7.25	8.05	8.58	8.93	9.59	10.55	11.43	12.60	13.69	18.60	25.40	48.07
20	6.06	9.02	9.99	10.66	11.10	11.93	13.19	14.25	15.53	16.83	22.50	30.80	56.78
25	6.41	9.59	10.61	11.32	11.80	12.67	14.03	15.15	16.46	17.83	23.73	32.51	59.30
40	7.13	10.78	11.91	12.71	13.25	14.23	15.79	17.05	18.40	19.91	26.28	36.85	80.54
50	7.47	11.34	12.52	13.36	13.93	14.96	16.63	17.94	19.31	20.89	27.48	37.73	84.28
100	8.52	13.08	14.41	15.38	16.04	17.23	19.21	20.71	22.12	23.90	31.14	42.87	74.28
200	9.56	14.81	16.20	17.39	18.14	19.49	21.78	23.46	24.91	26.89	34.75	47.94	81.45
1000	11.94	18.81	20.59	22.00	22.66	24.67	27.71	29.82	31.30	33.52	42.97	55.92	95.6
10000	15.30	24.49	26.69	28.52	29.79	32.01	36.14	38.86	40.31	43.39	54.46	75.78	119.74
PMP	28.55	43.83	49.05	62.43	54.89	58.89	64.85	69.62	75.84	81.48	107.20	144.96	249.67
MEAN	2.678	3.724	4.079	4.339	4.486	4.819	5.326	5.826	6.452	7.104	9.931	13.734	28.995
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.002	2.503	2.448	2.483	2.335	2.445	2.497	2.343	2.277	1.963	1.333	1.248	.687
REGIONAL SKEW	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.800	1.800
KURTOSIS	7.110	10.935	10.321	10.425	9.360	9.750	10.525	9.311	8.926	7.871	4.613	4.610	2.597
RECORD YEAR	19	17	17	17	16	16	16	16	16	16	19	19	24
RECORD MAXIMUM	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956
NORMALIZED MAX	6.000	11.600	13.100	14.100	14.400	15.350	16.500	16.500	17.200	17.200	21.400	27.400	44.300
CALC. COEF. VAR	2.362	3.028	3.110	3.208	3.084	3.117	3.233	3.111	3.081	2.961	2.484	2.599	2.147
REGION. COEF. VAR	.612	.699	.711	.702	.717	.701	.649	.589	.541	.477	.394	.324	.189
USED COEF. VAR	.644	.718	.735	.739	.748	.748	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.0924	.1284	.1407	.1495	.1547	.1682	.1837	.2009	.2225	.2450	.3425	.4737	1.0000
RP10/A	.1714	.2499	.2776	.2950	.3079	.3308	.3640	.3942	.4345	.4723	.6414	.8759	1.6785
RP25/A	.2210	.3307	.3860	.4069	.4260	.4570	.4889	.5227	.5678	.6149	.8183	1.1211	2.0453
RP50/A	.2577	.3911	.4317	.4609	.4804	.5161	.5535	.5918	.6400	.6900	.9476	1.3013	2.3070
RP100/A	.2939	.4511	.4960	.5305	.5543	.5944	.6426	.6920	.7530	.8160	1.0741	1.4785	2.5818
RP1000/A	.4138	.6480	.7101	.7588	.7920	.8508	.9558	1.0285	1.0794	1.1635	1.4820	2.0527	3.3648
RP10000/A	.5276	.8445	.9206	.9837	1.0275	1.1039	1.2465	1.3401	1.3901	1.4955	1.8782	2.6136	4.1295
PMP/A	.9845	1.5115	1.6917	1.8083	1.8905	2.0309	2.2385	2.4012	2.6150	2.8101	3.6971	4.8984	8.5900

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR W03 6254 0	STATION NAME NORTH MAIIKEE RES	ELEV 464	SEC 3768	TWP 04	RNG LOT 205 37E	BWM N	LATITUDE 36.228	LONGITUDE 117.969	COUNTY CODE 26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.27	1.39	1.50	1.53	1.55	1.60	1.62	1.72	1.88	1.97	2.21	2.92	4.65
5	2.18	2.55	2.77	2.83	2.89	2.99	3.04	3.19	3.42	3.53	3.79	4.96	7.35
10	2.82	3.40	3.68	3.76	3.85	3.99	4.07	4.25	4.50	4.63	4.86	6.36	9.96
20	3.44	4.23	4.57	4.67	4.79	4.96	5.06	5.30	5.55	5.69	5.98	7.72	10.46
25	3.63	4.50	4.86	4.96	5.09	5.27	5.41	5.64	5.88	6.02	6.28	8.15	10.92
40	4.05	5.06	5.45	5.57	5.71	5.92	6.07	6.32	6.57	6.73	6.98	9.04	11.15
50	4.24	5.32	5.73	5.86	6.01	6.22	6.41	6.68	6.90	7.06	7.17	9.46	12.32
100	4.83	6.14	6.59	6.74	6.92	7.17	7.40	7.71	7.99	8.08	8.13	10.74	13.66
200	5.42	6.95	7.45	7.62	7.83	8.10	8.39	8.73	8.90	9.06	9.07	12.01	15.00
1000	6.77	8.63	9.42	9.64	9.91	10.26	10.68	11.10	11.16	11.40	11.22	14.91	17.97
10000	8.68	11.49	12.22	12.50	12.85	13.31	13.93	14.46	14.39	14.66	14.22	18.99	22.05
PMP	16.19	20.57	22.45	22.99	23.65	24.48	24.99	25.91	27.08	27.53	27.99	36.33	45.87
MEAN	1.519	1.748	1.867	1.902	1.935	2.004	2.052	2.168	2.304	2.400	2.593	3.442	5.340
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.065	2.063	1.718	1.633	1.794	1.702	1.804	1.690	1.412	1.447	1.155	1.318	1.067
REGIONAL SKEW	2.917	1.897	1.226	1.568	1.787	1.370	1.171	1.811	2.920	2.610	2.833	3.338	2.847
SKEW USED	1.600	1.600	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	8.513	8.426	6.353	7.180	7.000	6.271	6.597	6.042	4.902	5.112	4.097	5.039	4.467
N	40	39	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969
RECORD MAXIMUM	4.150	5.710	5.850	6.450	6.600	6.600	6.672	6.720	7.060	7.220	10.530	13.650	
NORMALIZED MAX	2.917	1.897	1.226	1.568	1.787	1.370	1.171	1.811	2.920	2.610	2.833	3.338	2.847
CALC. COEF. VAR	.594	.648	.661	.674	.672	.681	.699	.675	.656	.645	.630	.617	.507
REGN. COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.2845	.3273	.3497	.3562	.3624	.3752	.3844	.4060	.4315	.4495	.4856	.6445	1.0000
RP10/A	.5280	.6370	.6899	.7047	.7213	.7468	.7616	.7966	.8427	.8664	.9095	1.1919	1.6785
RP25/A	.6808	.8428	.9086	.9319	.9581	.9868	1.0129	1.0591	1.1281	1.1603	1.2556	2.0053	
RP50/A	.7938	.9967	1.0731	1.0972	1.1255	1.1653	1.2000	1.2503	1.2915	1.3216	1.3436	1.7768	2.3079
RP100/A	.9052	1.1497	1.2349	1.2629	1.2962	1.3420	1.3864	1.4432	1.4707	1.5124	1.5230	2.0119	2.5618
RP1000/A	1.2685	1.6532	1.7400	1.8055	1.8553	1.9209	1.9899	2.0763	2.0932	2.1345	2.1013	2.7633	3.3648
RP10000/A	1.6253	2.1525	2.2882	2.3618	2.4072	2.4923	2.6082	2.6986	2.7455	2.6631	3.5566	4.1295	
PMP/A	3.0327	3.8524	4.2048	4.3049	4.4288	4.5854	4.6795	4.8521	5.0723	5.1555	5.2423	6.8031	6.5900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR W03 7510 0	STATION NAME ROCK CREEK	ELEV 465	SEC 9700	TWP 01	RNG LOT 065 29E	BWM N	LATITUDE 37.450	LONGITUDE 118.733	COUNTY CODE 26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.60	2.01	2.37	2.51	2.67	2.88	3.10	3.03	3.51	3.78	4.78	6.71	15.29
5	2.75	3.69	4.38	4.65	4.98	5.39	5.80	5.61	6.36	6.76	8.19	11.41	23.17
10	3.56	4.91	5.82	6.19	6.63	7.18	7.77	7.49	8.37	8.85	10.50	14.65	28.24
20	4.34	6.11	7.23	7.69	8.25	8.93	9.71	9.33	10.32	10.88	12.70	17.77	32.94
25	4.59	6.40	7.68	8.16	8.77	9.49	10.33	9.93	10.94	11.52	13.39	18.75	34.40
40	5.11	7.30	8.61	9.16	9.84	10.66	11.63	11.16	12.23	12.87	14.83	20.80	35.12
50	5.35	7.68	9.06	9.63	10.35	11.21	12.24	11.75	12.83	13.50	15.51	21.77	38.82
100	6.10	8.86	10.42	11.09	11.92	12.91	14.17	13.56	14.70	15.45	17.58	24.73	43.09
200	6.85	10.03	11.76	12.53	13.48	14.59	16.03	15.37	16.56	17.38	19.62	27.66	47.25
1000	8.55	12.73	14.90	15.86	17.06	18.47	20.40	19.53	20.80	21.80	24.26	34.34	56.60
10000	10.96	16.58	19.31	20.56	22.14	23.97	26.59	25.45	26.79	28.04	30.74	43.72	69.47
PMP	20.45	29.67	35.48	37.80	40.73	44.10	47.33	45.60	50.40	52.66	60.51	83.63	144.50
MEAN	1.918	2.521	2.951	3.128	3.333	3.609	3.920	3.816	4.288	4.591	5.605	7.923	16.822
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.896	1.481	1.323	1.302	1.062	1.035	.905	1.291	1.084	1.107	.890	1.146	.877
REGIONAL SKEW	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
SKEW USED	1.600	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.600	1.600	1.400	1.500	1.100
KURTOSIS	6.761	4.784	4.351	4.215	3.313	3.051	2.982	4.403	3.426	3.492	3.175	4.219	4.159
N	23	23	23	23	22	21	21	19	19	20	22	23	24
RECORD YEAR	1951	1956	1956	1956	1956	1956	1956	1956	1956	1956	1956	1969	1969
RECORD MAXIMUM	5.400	7.080	8.250	8.850	8.800	9.250	9.700	10.200	10.400	10.600	12.200	17.700	30.600
NORMALIZED MAX	2.565	2.484	2.540	2.501	2.303	2.263	2.202	2.159	2.129	2.145	2.226	2.601	2.732
CALC. COEF. VAR	.702	.715	.705	.706	.712	.691	.669	.646	.670	.610	.529	.474	.300
REGN. COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506
USED COEF. VAR	.644	.718	.735	.739	.748	.746	.745	.730	.717	.698	.653	.637	.506
MEAN/A	.1140	.1499	.1754	.1859	.1982	.2145	.2331	.2268	.2549	.2729	.3332	.4710	1.0000
RP10/A	.2110	.2916	.3461	.3678	.3944	.4269	.4618	.4500	.4978	.5261	.6241	.8710	1.6785
RP25/A	.2729	.3859	.4563	.4833	.5111	.5441	.5819	.5900	.6502	.6850	.7962	1.1146	2.0453
RP50/A	.3162	.4504	.5303	.5727	.6154	.6662	.7276	.6995	.7629	.8024	.9220	1.2941	2.3079
RP100/A	.3628	.5264	.6195	.6592	.7087	.7672	.8407	.8063	.8741	.9183	1.0451	1.4702	2.5618
RP1000/A	.5184	.7570	.8885	.9427	1.0145	1.0962	1.2127	1.1411	1.2365	1.2611	1.4419	2.2611	3.3648
RP10000/A	.6514	.9856	1.1479	1.2224	1.3162	1.4246	1.5815	1.5129	1.5924	1.6670	1.8274	2.5990	4.1295
PMP/A	1.2156	1.7639	2.1094	2.2471	2.4210	2.6214	2.8375	2.7107	2.9964	3.1304	3.5972	4.9714	6.5900

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
W03 9633 0	WHITE MTN 2	152	12470	20	045 34E	M	37.983	118.233	26				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.87	2.48	2.81	2.96	3.03	3.13	3.20	3.40	3.94	4.41	5.02	7.32	17.42
5	3.21	4.54	5.20	5.48	5.67	5.85	5.98	6.29	7.16	7.89	9.00	12.44	26.38
10	4.15	6.05	6.91	7.29	7.55	7.80	8.02	8.40	9.42	10.34	11.03	15.97	32.16
20	5.06	7.53	8.58	9.06	9.48	9.70	10.02	10.44	11.60	12.71	13.35	19.37	37.52
25	5.35	8.00	9.11	9.62	9.98	10.31	10.65	11.14	12.36	13.47	14.08	20.44	39.19
40	5.95	8.99	10.22	10.80	11.21	11.57	11.99	12.53	13.75	15.04	15.59	22.64	46.00
60	6.46	9.46	10.75	11.36	11.78	12.17	12.63	13.19	14.43	15.78	16.30	23.73	44.22
100	7.11	10.91	12.37	13.07	13.58	14.02	14.59	15.22	16.53	18.05	18.48	26.96	49.68
200	7.98	12.36	13.98	14.78	15.35	15.85	16.54	17.24	18.62	20.31	20.62	30.15	53.82
1000	9.97	15.49	17.66	18.69	19.43	20.06	21.05	21.92	23.39	25.48	25.50	37.43	64.47
10000	12.77	20.43	22.92	24.24	25.21	26.03	27.45	28.56	30.12	32.77	32.31	47.66	79.12
PMP	23.62	36.57	42.11	44.56	46.39	47.89	49.25	51.17	56.68	61.54	63.60	91.16	164.58

MEAN	2.235	3.107	3.502	3.687	3.796	3.919	4.045	4.282	4.822	5.366	5.892	8.637	19.159
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	4.088	4.187	4.096	4.014	3.912	3.875	3.823	3.731	3.620	3.501	3.422	2.982	2.409
REGIONAL SKEW	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.500	1.100
SKEW USED	1.800	1.800	1.700	1.700	1.700	1.700	1.800	1.800	1.800	1.800	1.800	1.500	1.100
KURTOSIS	26.106	20.724	26.127	19.667	19.070	18.869	18.596	18.151	17.592	16.960	16.361	13.630	11.199
RECORD YEAR	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD MAXIMUM	10,120	17,480	19,550	19,550	19,550	19,550	19,550	19,550	20,430	21,850	21,850	32,580	51,920
NORMALIZED MAX	3.154	3.638	3.942	4.011	4.028	4.017	4.052	4.028	3.994	3.956	3.921	3.739	3.544
CALC. COEF. VAR	1.007	1.205	1.162	1.102	1.030	0.993	0.946	0.886	0.837	0.777	0.691	0.742	0.482
REGION. COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.653	0.637	0.506
USED COEF. VAR	0.644	0.718	0.735	0.739	0.748	0.748	0.745	0.730	0.717	0.698	0.653	0.637	0.506

MEAN/A	1.167	1.622	1.828	1.925	1.981	2.045	2.111	2.235	2.517	2.801	3.075	4.508	1.0000
RP10/A	1.2165	1.3156	1.3607	1.3807	1.3943	1.4071	1.4184	1.4385	1.4915	1.5398	1.5760	1.8336	1.6785
RP25/A	1.2791	1.4176	1.4751	1.5010	1.5161	1.5312	1.5463	1.5614	1.6145	1.6629	1.6981	2.0453	2.0453
RP50/A	1.3255	1.4939	1.5607	1.5928	1.6153	1.6352	1.6502	1.6682	1.7332	1.8234	1.8509	2.2385	2.3079
RP100/A	1.3712	1.5697	1.6456	1.6823	1.7088	1.7315	1.7615	1.7944	1.8630	1.9423	1.9645	1.4071	2.5618
RP1000/A	1.5201	1.8192	1.9227	1.9757	1.0143	1.0471	1.0985	1.1440	1.2208	1.3294	1.3307	1.9536	3.6648
RP10000/A	1.6664	1.9666	1.9662	1.9652	1.9667	1.9686	1.9727	1.9906	1.5721	1.7106	1.6865	2.4874	4.1295
PMP/A	1.2435	1.9089	2.1981	2.3235	2.4212	2.4995	2.5705	2.6708	2.9582	3.2122	3.3198	4.7580	8.5900

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W03 2331 0	STATION NAME DEEP SPRINGS COLLEGE	ELEV 47	SEC 4975	TWP 01	RNG LOT 075 36E	BWM M	LATITUDE 37.367	LONGITUDE 117.983	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.04	1.17	1.24	1.30	1.31	1.43	1.53	1.61	1.69	1.78	1.97	2.44	4.88
5	1.57	1.83	1.94	2.02	2.04	2.21	2.38	2.50	2.62	2.74	2.99	3.86	7.30
10	1.92	2.27	2.40	2.49	2.51	2.70	2.92	3.07	3.20	3.34	3.61	4.77	8.80
20	2.24	2.68	2.83	2.92	2.94	3.15	3.42	3.59	3.73	3.89	4.17	5.61	10.17
25	2.34	2.81	2.97	3.05	3.08	3.29	3.57	3.75	3.89	4.06	4.34	5.88	10.60
40	2.55	3.07	3.25	3.32	3.35	3.58	3.68	3.68	4.22	4.40	4.69	6.01	11.46
50	2.65	3.20	3.38	3.46	3.49	3.71	4.03	4.24	4.38	4.56	4.85	6.67	11.86
100	2.94	3.58	3.78	3.85	3.89	4.12	4.47	4.71	4.84	5.04	5.34	7.44	13.07
200	3.23	3.96	4.16	4.23	4.27	4.51	4.90	5.16	5.29	5.51	5.81	8.19	14.24
1000	3.69	4.81	5.04	5.09	5.14	5.39	5.86	6.17	6.30	6.55	6.85	9.87	16.85
10000	4.79	6.08	6.25	6.27	6.34	6.60	7.18	7.56	7.66	7.96	8.26	12.18	20.39
PMP	9.67	11.88	12.78	13.15	13.31	14.23	15.53	16.36	17.07	17.71	18.85	25.68	44.86

MEAN	1.154	1.323	1.384	1.438	1.448	1.569	1.684	1.766	1.842	1.933	2.117	2.714	5.268
CLOCK HR. COR.	1.146	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.935	2.718	2.634	2.578	2.548	2.822	2.891	2.771	2.737	2.626	2.461	1.896	1.490
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	3.857	3.670	3.235	4.310	4.260	3.468	3.249	2.961	2.843	2.671	2.501	3.373	2.503
RECORD YEAR	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969
NORMALIZED MAX	2.110	2.374	2.250	2.737	2.738	2.479	2.132	2.029	1.879	1.830	1.929	2.649	10.360
CALC. COEF. VAR	0.587	0.540	0.526	0.552	0.561	0.540	0.553	0.534	0.534	0.527	0.510	0.579	0.471
REGION. COEF. VAR	0.492	0.532	0.549	0.543	0.546	0.538	0.540	0.551	0.551	0.544	0.554	0.564	0.501
USED COEF. VAR	0.492	0.532	0.549	0.543	0.546	0.538	0.548	0.551	0.551	0.544	0.554	0.564	0.501

MEAN/A	0.2191	0.2512	0.2628	0.2730	0.2748	0.2978	0.3196	0.3352	0.3496	0.3670	0.4019	0.8152	1.0000
RP10/A	0.2635	0.3031	0.3259	0.3478	0.3480	0.3525	0.3544	0.3587	0.3676	0.3743	0.3890	0.4049	1.0708
RP25/A	0.4441	0.5328	0.5636	0.5792	0.5848	0.6250	0.6774	0.7124	0.7385	0.7600	0.8241	1.1135	2.0113
RP50/A	0.5021	0.6074	0.6413	0.6562	0.6627	0.7050	0.7649	0.8047	0.8309	0.8658	0.9215	1.2663	2.2516
RP100/A	0.5585	0.6802	0.7188	0.7396	0.7380	0.7820	0.8491	0.8936	0.9194	0.9579	1.0143	1.4121	2.4816
RP1000/A	0.7360	0.9133	0.9658	0.9658	0.9658	1.0211	1.1133	1.1700	1.1950	1.2431	1.3079	1.9184	3.1984
RP10000/A	0.9102	1.1383	1.1872	1.1898	1.2029	1.2520	1.3630	1.4353	1.4533	1.5108	1.5671	2.3124	3.8702
PMP/A	1.0357	2.2554	2.4255	2.4966	2.5256	2.7007	2.9470	3.1055	3.2394	3.3619	3.5790	4.8740	8.5150

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB W99 2319 0	STATION NAME DEATH VALLEY	ELEV 37	SEC -194	TWP 16	RNG LOT 27N 01E J	BWM 5	LATITUDE 36.467	LONGITUDE 116.867	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.53	.58	.58	.60	.62	.66	.70	.72	.77	.79	.86	.97	1.67
5	.79	.90	.91	.94	.97	1.02	1.09	1.13	1.20	1.22	1.31	1.53	2.49
10	.97	1.12	1.13	1.15	1.19	1.24	1.34	1.38	1.46	1.48	1.58	1.89	3.01
20	1.13	1.32	1.33	1.35	1.40	1.45	1.56	1.62	1.70	1.73	1.83	2.23	3.68
25	1.18	1.39	1.39	1.41	1.46	1.51	1.63	1.69	1.77	1.80	1.91	2.34	3.82
40	1.29	1.52	1.52	1.54	1.59	1.65	1.78	1.84	1.93	1.95	2.06	2.39	3.92
50	1.36	1.58	1.58	1.60	1.66	1.71	1.84	1.90	2.00	2.02	2.13	2.55	4.05
100	1.49	1.77	1.77	1.78	1.85	1.90	2.05	2.12	2.21	2.24	2.34	2.96	4.47
200	1.64	1.96	1.96	1.96	2.03	2.08	2.24	2.32	2.41	2.45	2.55	3.25	4.87
1000	1.97	2.38	2.37	2.36	2.44	2.48	2.68	2.78	2.87	2.91	3.01	3.92	5.76
10000	2.43	2.96	2.94	2.90	3.01	3.03	3.29	3.40	3.49	3.54	3.62	4.64	6.97
PMP	4.90	5.87	6.00	6.09	6.32	6.55	7.10	7.36	7.78	7.87	8.27	10.20	15.33
MEAN	.584	.654	.650	.666	.688	.722	.770	.795	.840	.889	.929	1.079	1.800
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.246	.312	.340	.380	.412	.412	1.194	1.003	.751	.636	.736	.922	.225
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	2.377	3.180	3.321	3.224	3.272	3.283	6.154	4.958	3.952	3.525	4.104	4.576	3.183
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1954	1968	1968	1968	1974	1969	1969	1969	1969	1969	1969	1969	1973
RECORD MAXIMUM	.900	1.140	1.140	1.140	1.170	1.340	1.860	1.860	1.870	1.870	2.120	2.420	3.530
NORMALIZED MAX	1.417	1.947	2.020	1.985	1.928	2.193	3.125	2.694	2.682	2.565	2.758	2.856	2.323
CALC. COEF. VAR	.491	.382	.374	.359	.364	.371	.453	.463	.457	.458	.465	.514	.414
REQD. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.3245	.3630	.3608	.3699	.3819	.4009	.4279	.4413	.4666	.4770	.5161	.5992	1.0000
RP10/A	.5385	.6216	.6203	.6392	.6616	.6899	.7422	.7673	.8108	.8244	.8796	1.0523	1.6708
RP25/A	.6578	.7762	.7748	.7948	.8127	.8414	.9069	.9361	.9855	1.0007	1.0592	1.2742	2.0113
RP50/A	.7638	.8780	.8810	.8891	.9210	.9491	1.0240	1.0595	1.1088	1.1252	1.1832	1.4726	2.2516
RP100/A	.8273	.9632	.9646	.9899	1.0256	1.0527	1.1367	1.1763	1.2268	1.2443	1.3024	1.6422	2.4816
RP1000/A	1.0932	1.3201	1.3145	1.3066	1.3565	1.3781	1.4904	1.5432	1.5946	1.6150	1.6705	2.1785	3.1984
RP10000/A	1.3463	1.6454	1.6309	1.6122	1.6717	1.6856	1.8248	1.8899	1.9393	1.9639	2.0123	2.6892	3.8702
PMP/A	2.7194	3.2599	3.3139	3.3838	3.5100	3.6056	3.9453	4.0890	4.3227	4.3601	4.5855	5.6861	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB W21 0935 0	STATION NAME TRONA	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
		140	1695	255	43E	M		35.783	117.383	36			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.93	1.09	1.16	1.24	1.25	1.31	1.33	1.38	1.50	1.56	1.77	2.19	3.62
5	1.40	1.70	1.82	1.93	1.96	2.02	2.07	2.16	2.32	2.40	2.69	3.46	5.42
10	1.71	2.10	2.26	2.37	2.41	2.47	2.54	2.64	2.83	2.92	3.25	4.27	6.54
20	2.00	2.49	2.66	2.78	2.83	2.88	2.97	3.09	3.30	3.40	3.75	5.03	7.56
25	2.09	2.61	2.79	2.91	2.96	3.01	3.10	3.23	3.45	3.55	3.91	5.27	7.87
40	2.28	2.85	3.05	3.17	3.22	3.27	3.38	3.52	3.74	3.85	4.22	5.58	8.52
50	2.36	2.97	3.17	3.30	3.35	3.40	3.50	3.65	3.88	3.99	4.37	5.98	8.82
100	2.63	3.33	3.55	3.67	3.73	3.77	3.89	4.05	4.29	4.41	4.81	6.67	9.72
200	2.89	3.87	3.91	4.04	4.10	4.13	4.26	4.44	4.69	4.82	5.23	7.34	10.50
1000	3.48	4.46	4.73	4.85	4.84	4.93	5.10	5.32	5.57	5.73	6.17	8.65	12.92
10000	4.29	5.57	5.87	5.98	6.09	6.03	6.24	6.51	6.78	6.96	7.43	10.92	15.15
PMP	6.64	11.03	12.00	12.55	12.78	13.01	13.50	14.09	15.11	15.50	16.98	23.02	33.34
MEAN	1.032	1.228	1.299	1.372	1.390	1.438	1.464	1.521	1.631	1.692	1.905	2.434	3.915
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.555	.702	.762	.842	.893	.848	.854	.804	.594	.484	.484	.695	1.456
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	3.475	3.183	2.748	2.638	2.574	2.528	2.380	2.336	2.571	2.619	3.153	3.167	6.239
N	45	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1969	1943	1943	1943	1943	1943	1943	1943	1938	1938	1938	1941	1941
RECORD MAXIMUM	1.990	2.620	2.760	2.760	2.790	2.790	2.790	3.450	3.600	4.270	5.630	11.470	
NORMALIZED MAX	2.073	2.453	2.265	2.076	2.130	2.001	1.952	1.766	2.304	2.392	2.524	2.653	3.363
CALC. COEF. VAR	.448	.462	.476	.487	.473	.472	.464	.473	.484	.472	.468	.495	.539
REQD. COEF. VAR	.492	.532	.544	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2635	.3136	.3319	.3564	.3551	.3664	.3740	.3884	.4166	.4321	.4865	.6216	1.0000
RP10/A	.4373	.5370	.5778	.6186	.6187	.6468	.6757	.6968	.7553	.7748	.8291	1.0330	1.6708
RP25/A	.5341	.6654	.7122	.7435	.7557	.7691	.7926	.8256	.8800	.9066	.9975	1.3450	2.0113
RP50/A	.6039	.7585	.8104	.8423	.8564	.8676	.8951	.9324	.9901	1.0193	1.1154	1.5277	2.2516
RP100/A	.6718	.8494	.9057	.9378	.9537	.9623	.9936	1.0353	1.0955	1.1273	1.2277	1.7037	2.4981
RP1000/A	.8877	1.1487	1.2051	1.2387	1.2514	1.2597	1.3028	1.3681	1.4236	1.4436	1.5747	2.2600	3.1984
RP10000/A	1.0948	1.4215	1.5002	1.5273	1.5544	1.5408	1.5951	1.6633	1.7318	1.7768	1.8969	2.7898	3.8702
PMP/A	2.2090	3.0184	3.0548	3.2048	3.2638	3.3236	3.4487	3.5986	3.9500	3.9562	4.3322	5.8801	8.5150

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
W24 3710 11	HAIRER RESERVOIR	457	3825	09	265 40E	M	36.683	117.683	14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.31	1.54	1.82	1.68	1.72	1.79	1.89	2.02	2.17	2.23	2.45	3.14	5.18
5	1.98	2.40	2.55	2.62	2.68	2.77	2.94	3.15	3.37	3.43	3.71	4.96	7.75
10	2.41	2.97	3.15	3.23	3.30	3.38	3.61	3.86	4.11	4.18	4.49	6.13	9.34
20	2.92	3.52	3.72	3.79	3.87	3.95	4.22	4.52	4.79	4.87	5.18	7.22	10.80
25	2.94	3.69	3.90	3.98	4.05	4.13	4.41	4.72	5.00	5.08	5.40	7.56	11.25
40	3.21	4.04	4.26	4.35	4.44	4.49	4.79	5.14	5.42	5.51	5.83	7.72	12.16
50	3.33	4.20	4.43	4.52	4.61	4.69	4.97	5.33	5.62	5.71	6.03	8.18	12.89
100	3.70	4.71	4.95	5.00	5.11	5.16	5.52	5.92	6.22	6.31	6.64	9.57	13.88
200	4.07	5.20	5.46	5.49	5.52	5.56	6.05	6.49	6.80	6.90	7.23	10.53	15.12
1000	4.89	6.32	6.61	6.60	6.76	6.76	7.24	7.77	8.08	8.20	8.52	12.69	17.88
10000	6.03	7.87	8.21	8.14	8.23	8.27	8.86	9.51	9.83	9.96	10.26	15.67	21.64
PMP	12.17	15.60	16.77	17.07	17.48	17.83	19.16	20.58	21.92	22.17	23.44	33.02	47.61
MEAN	1.452	1.737	1.815	1.867	1.902	1.966	2.079	2.221	2.365	2.420	2.632	3.490	5.592
CLOCK HR. COR.	1.146	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.156	1.453	1.562	1.341	1.450	1.271	1.119	.984	.831	.857	.754	.719	.848
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	10.084	5.673	6.294	5.580	6.441	5.881	4.915	3.792	3.164	3.277	3.370	2.858	3.493
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1940	1940	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	3.720	4.090	4.920	4.920	5.380	5.360	5.380	5.380	5.380	5.590	5.940	7.590	13.200
NORMALIZED MAX	3.376	2.632	3.301	3.199	3.519	3.426	3.078	2.690	2.363	2.481	2.584	2.323	2.889
CALC. COEF. VAR	.463	.478	.518	.511	.513	.504	.513	.559	.538	.538	.528	.506	.476
REGIONAL COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2597	.3107	.3247	.3339	.3402	.3516	.3717	.3972	.4230	.4328	.4706	.6242	1.0000
RP10/A	.4309	.5320	.5636	.5770	.5893	.6051	.6448	.6905	.7351	.7481	.8021	1.0982	1.6708
RP25/A	.5264	.6592	.6968	.7083	.7240	.7379	.7878	.8442	.8935	.9061	.9850	1.3514	2.0113
RP50/A	.5952	.7515	.7928	.8024	.8204	.8324	.8896	.9535	1.0053	1.0210	1.0791	1.5341	2.2518
RP100/A	.6820	.8614	.8860	.8954	.9136	.9232	.9874	1.0587	1.1123	1.1292	1.1877	1.7106	2.4810
RP1000/A	.8748	1.1298	1.1829	1.1811	1.2084	1.2086	1.2947	1.3888	1.4458	1.4660	1.5234	2.2694	3.1984
RP10000/A	1.0789	1.4082	1.4676	1.4551	1.4892	1.4782	1.5851	1.7009	1.7583	1.7818	1.8351	2.8015	3.8702
PMP/A	2.1760	2.7900	2.9983	3.0532	3.1288	3.1888	3.4272	3.8800	3.9192	3.9647	4.1911	5.9048	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
W24 4278 0	INYO KERN	2440	30	265	39E	M		35.050	117.817	15			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.777	.85	.90	.93	.94	.96	1.03	1.09	1.15	1.18	1.27	1.74	2.90
5	1.13	1.33	1.41	1.44	1.47	1.51	1.60	1.70	1.79	1.81	2.07	2.76	4.34
10	1.40	1.75	1.77	1.81	1.84	1.90	1.98	2.08	2.18	2.21	2.50	3.41	5.24
20	1.64	1.94	2.06	2.08	2.12	2.15	2.29	2.44	2.54	2.57	2.69	4.01	6.03
25	1.72	2.03	2.16	2.18	2.22	2.25	2.39	2.55	2.65	2.68	3.01	4.20	6.31
40	1.87	2.23	2.36	2.22	2.27	2.45	2.60	2.77	2.87	2.91	3.26	4.29	6.82
50	1.94	2.32	2.46	2.46	2.51	2.54	2.70	2.88	2.98	3.02	3.37	4.77	7.06
100	2.16	2.80	2.75	2.74	2.80	2.81	3.00	3.19	3.30	3.34	3.71	5.32	7.78
200	2.37	2.87	3.03	3.02	3.08	3.08	3.29	3.50	3.60	3.65	4.03	6.85	8.48
1000	2.85	3.49	3.67	3.53	3.70	3.68	3.93	4.19	4.29	4.33	4.76	7.06	10.03
10000	3.52	4.37	4.55	4.47	4.56	4.51	4.81	5.13	5.21	5.27	5.73	8.71	12.13
PMP	7.09	8.61	9.30	9.38	9.58	9.72	10.41	11.10	11.62	11.72	13.09	18.36	26.70
MEAN	.866	.958	1.007	1.025	1.042	1.072	1.129	1.199	1.254	1.260	1.470	1.940	3.135
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.270	.177	.255	.488	.170	.336	.291	.287	.357	.308	.345	.529	.820
NORMALIZED MAX	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	3.103	2.833	2.827	3.212	2.900	2.876	2.365	2.354	2.346	2.356	2.139	3.079	2.327
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968	1968
RECORD MAXIMUM	1.350	1.620	1.760	2.090	2.060	2.130	2.130	2.390	2.470	2.470	2.950	4.460	5.790
NORMALIZED MAX	1.472	1.639	1.685	1.719	2.078	2.082	1.762	1.905	1.784	1.738	1.733	2.240	1.627
CALC. COEF. VAR	.398	.416	.443	.476	.479	.472	.501	.522	.544	.535	.581	.586	.520
REGIONAL COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2699	.3057	.3213	.3270	.3324	.3418	.3601	.3823	.3999	.4081	.4687	.6189	1.0000
RP10/A	.4480	.5235	.5377	.5632	.5758	.5882	.6246	.6846	.7354	.7485	.8050	1.0400	1.6700
RP25/A	.4772	.5485	.5635	.5778	.5902	.6026	.6402	.7002	.7510	.7641	.8216	1.0400	1.6700
RP50/A	.5187	.5793	.5845	.5981	.6105	.6229	.6605	.7205	.7713	.7844	.8419	1.0400	1.6700
RP100/A	.6882	.8279	.8768	.8752	.8928	.8976	.9366	1.0190	1.0510	1.0647	1.1828	1.6064	2.4816
RP1000/A	.9094	1.1116	1.1706	1.1570	1.1607	1.1750	1.2543	1.3307	1.3668	1.3823	1.5171	2.2500	3.1984
RP10000/A	1.2121	1.3855	1.4524	1.4253	1.4550	1.4371	1.5917	1.6371	1.6623	1.6860	1.8276	2.7779	3.8702
PMP/A	2.2621	2.7451	2.9870	2.9908	3.0550	3.0999	3.3203	3.6371	3.7052	3.7383	4.1730	5.8550	8.5150

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W24 4280 0	STATION NAME INOKERN ARM	ELEV 74	SEC 2218	TWP	RNG LOT	8MM	LATITUDE 35.000	LONGITUDE 117.000	COUNTY 15				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.86	.94	.96	1.01	1.02	1.05	1.06	1.12	1.21	1.24	1.41	1.76	2.81
5	1.29	1.47	1.51	1.57	1.60	1.63	1.65	1.75	1.87	1.91	2.13	2.78	4.20
10	1.58	1.87	1.93	1.99	1.99	2.03	2.05	2.15	2.28	2.32	2.58	3.43	5.07
20	1.84	2.15	2.21	2.27	2.31	2.32	2.37	2.51	2.66	2.70	2.99	4.04	5.86
25	1.92	2.25	2.31	2.37	2.42	2.43	2.48	2.62	2.77	2.82	3.10	4.23	6.10
40	2.09	2.47	2.53	2.43	2.47	2.54	2.70	2.86	3.01	3.06	3.35	4.52	6.40
50	2.17	2.57	2.63	2.69	2.74	2.74	2.80	2.96	3.12	3.17	3.47	4.60	6.83
100	2.42	2.88	2.94	3.00	3.05	3.04	3.10	3.29	3.45	3.51	3.82	5.36	7.53
200	2.65	3.18	3.24	3.29	3.35	3.33	3.40	3.61	3.77	3.83	4.15	5.90	8.20
1000	3.19	3.86	3.93	3.96	4.03	3.98	4.07	4.32	4.49	4.55	4.90	7.11	9.70
10000	3.94	4.81	4.87	4.88	4.97	4.86	4.98	5.29	5.45	5.53	5.90	8.77	11.74
PMP	7.94	9.54	9.96	10.24	10.43	10.49	10.78	11.44	12.16	12.31	13.47	18.49	25.82
MEAN	.948	1.062	1.078	1.119	1.135	1.157	1.169	1.234	1.312	1.344	1.512	1.955	3.032
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.086	1.011	.942	.902	1.123	1.056	.974	.879	.862	.831	.437	1.527	1.453
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	9.591	4.682	3.895	3.454	3.180	3.034	3.770	3.339	3.517	3.348	2.413	6.251	3.740
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1966	1966	1966	1974	1974	1974	1974	1974	1974	1966	1966	1966
RECORD MAXIMUM	2.390	2.390	2.390	2.390	2.660	2.660	2.660	2.660	2.850	2.850	2.850	5.590	7.850
NORMALIZED MAX	2.076	2.612	2.528	2.297	2.895	2.561	2.540	2.265	2.341	2.282	1.931	3.186	2.633
CALC. COEF. VAR	.512	.479	.493	.494	.517	.507	.502	.510	.501	.491	.584	.584	.603
REGION. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.3125	.3503	.3555	.3691	.3745	.3815	.3855	.4070	.4328	.4433	.4987	.6446	1.0000
RP10/A	.5186	.6998	.6171	.6379	.6486	.6586	.6686	.7077	.7520	.7662	.8550	1.1321	1.6708
RP25/A	.6334	.7432	.7629	.7831	.7968	.8088	.8170	.8651	.9141	.9301	1.0226	1.3956	2.0113
RP50/A	.7162	.8472	.8681	.8872	.9029	.9033	.9224	.9771	1.0285	1.0457	1.1435	1.5843	2.2516
RP100/A	.7967	.9487	.9702	.9877	1.0055	1.0019	1.0239	1.0944	1.1380	1.1569	1.2506	1.7667	2.4816
RP1000/A	1.0527	1.2738	1.2952	1.3058	1.3300	1.3115	1.3426	1.4732	1.5015	1.5015	1.6143	2.3436	3.1984
RP10000/A	1.2983	1.5876	1.6070	1.6087	1.6390	1.6042	1.6438	1.7435	1.7989	1.8249	1.9446	2.8931	3.8702
PMP/A	2.6185	3.1456	3.2831	3.3755	3.4413	3.4602	3.5540	3.7711	4.0097	4.0607	4.4412	6.0979	8.5130

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W24 8379 25	STATION NAME SOUTH HATWEE RES	ELEV 457	SEC 3825	TWP	RNG LOT 36.133	8MM 117.967	LATITUDE 36.133	LONGITUDE 117.967	COUNTY CODE 14				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.46	1.68	1.82	1.89	1.92	1.98	2.06	2.18	2.42	2.51	2.80	3.43	5.70
5	2.20	2.62	2.86	2.94	3.00	3.08	3.21	3.40	3.75	3.88	4.24	5.42	8.53
10	2.68	3.25	3.54	3.62	3.69	3.74	3.93	4.17	4.58	4.73	5.12	6.70	10.29
20	3.13	3.84	4.17	4.29	4.33	4.37	4.60	4.88	5.33	5.50	5.92	7.89	11.98
25	3.28	4.02	4.37	4.44	4.53	4.56	4.80	5.10	5.56	5.74	6.16	8.26	12.39
40	3.57	4.41	4.70	4.84	4.93	4.96	5.23	5.55	6.04	6.22	6.66	8.44	13.40
50	3.70	4.59	4.97	5.03	5.14	5.14	5.42	5.76	6.26	6.45	6.89	9.38	13.87
100	4.12	5.14	5.56	5.60	5.72	5.70	6.02	6.39	6.92	7.13	7.58	10.46	15.29
200	4.53	5.60	6.13	6.16	6.29	6.25	6.60	7.01	7.57	7.79	8.25	11.51	16.66
1000	5.44	6.90	7.42	7.40	7.56	7.47	7.89	8.38	9.00	9.26	9.72	13.87	19.70
10000	6.71	8.60	9.21	9.12	9.32	9.13	9.66	10.27	10.95	11.26	11.72	17.12	25.84
PMP	13.54	17.03	18.62	19.14	19.57	19.70	20.49	22.22	24.40	25.45	28.75	36.09	52.45
MEAN	1.616	1.897	2.037	2.093	2.130	2.172	2.266	2.398	2.633	2.735	3.065	3.815	6.160
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.704	1.536	1.591	1.435	1.351	1.440	1.361	1.272	.936	.930	.759	1.143	1.061
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	6.675	5.279	5.607	5.078	5.897	5.498	4.876	4.227	3.056	3.092	2.901	4.519	4.005
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1946	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	4.020	4.580	6.000	6.040	6.500	6.500	6.500	6.510	6.680	6.680	6.990	10.610	15.350
NORMALIZED MAX	2.898	2.511	3.113	3.052	3.360	3.296	3.090	2.748	2.488	2.401	2.348	3.209	2.961
CALC. COEF. VAR	.314	.563	.625	.612	.605	.605	.605	.624	.618	.601	.595	.555	.504
REGION. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2623	.3679	.3308	.3398	.3457	.3526	.3678	.3893	.4275	.4439	.4878	.6193	1.0000
RP10/A	.4353	.5273	.5742	.5871	.5988	.6069	.6380	.6768	.7429	.7673	.8313	1.0077	1.6708
RP25/A	.5317	.6533	.7098	.7288	.7387	.7401	.7796	.8275	.9029	.9314	1.0001	1.3409	2.0113
RP50/A	.6012	.7448	.7676	.7848	.8036	.8040	.8332	.8840	1.0150	1.0472	1.1193	1.5222	2.2516
RP100/A	.6687	.8340	.8026	.8092	.8204	.8200	.8771	1.0377	1.1241	1.1501	1.2309	1.6975	2.4816
RP1000/A	.8837	1.1198	1.2051	1.2019	1.2279	1.2122	1.2812	1.3613	1.4611	1.5036	1.5768	2.2518	3.1984
RP10000/A	1.0096	1.3957	1.4952	1.4808	1.5132	1.4627	1.5866	1.6671	1.7769	1.8275	1.9019	2.7798	3.8702
PMP/A	2.1966	2.7653	3.0945	3.1070	3.1772	3.1982	3.3914	3.6089	3.9607	4.0864	4.3435	5.6590	8.5136

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER 508 W25 7253 0		STATION NAME RANDSBURG		ELEV 118	SEC 3522	TMP 39	RNO LOT 295 40E	BNM M	LATITUDE 35.367	LONGITUDE 117.650	COUNTY CODE 15		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.19	1.43	1.51	1.58	1.61	1.68	1.71	1.81	1.99	2.08	2.40	3.10	5.05
5	1.80	2.22	2.38	2.43	2.51	2.60	2.66	2.82	3.09	3.21	3.64	4.89	7.55
10	2.19	2.75	2.94	2.99	3.09	3.17	3.26	3.46	3.77	3.91	4.40	6.05	9.11
20	2.56	3.26	3.47	3.51	3.63	3.71	3.81	4.05	4.39	4.55	5.08	7.13	10.53
25	2.68	3.41	3.64	3.68	3.80	3.87	3.96	4.23	4.58	4.75	5.29	7.46	10.97
40	2.91	3.74	3.98	3.98	4.13	4.20	4.34	4.60	5.05	5.15	5.72	7.92	11.86
50	3.03	3.89	4.14	4.16	4.31	4.37	4.50	4.78	5.15	5.34	5.92	8.47	12.20
100	3.37	4.36	4.62	4.64	4.80	4.84	4.99	5.30	5.70	5.90	6.52	9.44	13.53
200	3.70	4.81	5.10	5.10	5.27	5.31	5.47	5.81	6.23	6.45	7.09	10.39	14.74
1000	4.43	5.85	6.17	6.13	6.34	6.34	6.55	6.96	7.41	7.66	8.38	12.53	17.44
10000	5.49	7.29	7.66	7.55	7.82	7.76	8.02	8.52	9.06	9.32	10.17	15.46	21.10
PMP	11.06	14.44	15.64	15.84	16.42	16.73	17.33	18.43	20.08	20.73	22.99	32.59	46.43
MEAN	1.320	1.608	1.694	1.732	1.766	1.845	1.880	1.989	2.167	2.263	2.582	3.445	5.453
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.520	2.854	2.504	2.425	2.256	2.105	1.936	1.531	1.202	1.268	1.012	1.414	1.267
REGIONAL SKEW	1.500	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	5.829	14.414	12.691	12.014	10.870	10.181	8.851	6.669	4.566	4.170	3.446	4.593	4.269
N	35	35	35	35	35	35	35	35	35	35	35	35	35
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941
RECORD MAXIMUM	2.950	5.650	5.720	5.720	5.720	5.770	5.770	5.770	5.800	5.800	5.800	9.160	13.830
NORMALIZED MAX	2.539	4.096	4.108	4.107	4.095	4.017	3.914	3.602	3.100	2.890	2.432	2.707	2.884
CALC. COEF. VAR	.486	.614	.579	.554	.538	.530	.529	.527	.541	.541	.512	.593	.533
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
MEAN/A	.2421	.2950	.3107	.3177	.3276	.3383	.3448	.3649	.3975	.4150	.4735	.6318	1.0000
RP10/A	.4018	.5051	.5393	.5490	.5674	.5822	.5981	.6343	.6908	.7173	.8076	1.1097	1.6708
RP25/A	.4508	.6258	.6747	.6784	.6971	.7117	.7257	.7595	.8396	.8707	.9709	1.3680	2.0113
RP50/A	.5550	.7134	.7586	.7636	.7899	.8009	.8251	.8759	.9447	.9790	1.0857	1.5529	2.2516
RP100/A	.6173	.7989	.8479	.8502	.8797	.8884	.9159	.9725	1.0452	1.0827	1.1950	1.7318	2.4816
RP1000/A	.8157	1.0726	1.1319	1.1231	1.1635	1.1630	1.2009	1.2758	1.3586	1.4057	1.5327	2.2973	3.1984
RP10000/A	1.0060	1.3368	1.4044	1.3846	1.4339	1.4224	1.4703	1.5624	1.6523	1.7084	1.8464	2.8358	3.8702
PMP/A	2.0269	2.6489	2.8691	2.9053	3.0106	3.0683	3.1790	3.3804	3.6829	3.8015	4.2169	5.9772	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER W26 630 00	STATION NAME BELLEVIEW-STRAHAN-722C	ELEV 2740	SEC 11	TWP 06N	RNO LOT 13W C	BNM S	LATITUDE 34.630	LONGITUDE 118.231	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.19	2.47	2.60	2.64	2.83	2.98	3.18	3.50	3.74	4.34	5.49	8.84
5	2.50	3.42	3.88	4.05	4.12	4.37	4.63	4.96	5.42	5.78	6.58	8.68	13.23
10	3.12	4.23	4.80	4.98	5.07	5.35	5.68	6.08	6.62	7.04	7.94	10.74	15.95
20	3.65	5.00	5.66	5.85	5.95	6.24	6.64	7.12	7.71	8.19	9.18	12.64	18.44
25	3.81	5.24	5.93	6.12	6.22	6.52	6.94	7.44	8.05	8.54	9.56	13.24	19.21
40	4.15	5.74	6.49	6.25	6.36	7.09	7.55	8.09	8.73	9.27	10.33	13.53	20.77
50	4.31	5.98	6.75	6.93	7.05	7.36	7.84	8.40	9.05	9.61	10.69	15.03	21.50
100	4.80	6.69	7.54	7.72	7.86	8.16	8.70	9.32	10.02	10.62	11.76	16.76	23.70
200	5.27	7.39	8.32	8.48	8.64	8.94	9.54	10.22	10.95	11.61	12.80	18.44	25.82
1000	6.34	8.99	10.07	10.20	10.39	10.68	11.41	12.23	13.02	13.79	15.09	22.23	36.96
10000	7.62	11.20	12.49	12.57	12.60	13.06	13.97	14.98	15.84	16.76	18.18	27.44	36.96
PMP	15.77	22.19	25.52	26.38	26.88	28.18	30.19	32.41	35.30	37.30	41.51	57.84	81.31
MEAN	1.882	2.471	2.764	2.884	2.925	3.107	3.275	3.498	3.810	4.072	4.662	6.114	9.549
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.240	1.975	1.952	1.180	1.081	1.409	1.195	1.098	1.003	1.000	.753	.813	.914
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	4.398	7.742	5.156	4.536	4.877	4.320	3.548	3.267	3.242	3.281	2.770	2.602	3.129
N	25	24	24	24	25	25	25	25	25	25	25	25	25
RECORD YEAR	1943	1943	1943	1943	1944	1944	1944	1943	1944	1944	1944	1943	1952
RECORD MAXIMUM	4.130	7.720	7.720	7.720	8.200	8.200	8.200	9.420	9.720	9.880	10.460	13.440	21.190
NORMALIZED MAX	2.116	2.976	2.491	2.430	2.597	2.304	2.134	2.047	2.297	2.174	2.084	1.951	2.168
CALC. COEF. VAR	.565	.714	.720	.690	.694	.710	.705	.687	.675	.656	.597	.614	.557
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
MEAN/A	.1971	.2588	.2894	.3021	.3063	.3253	.3429	.3663	.3989	.4264	.4882	.6463	1.0000
RP10/A	.3270	.4431	.5024	.5220	.5306	.5600	.5948	.6369	.6933	.7370	.8320	1.1245	1.6708
RP25/A	.3995	.5490	.6211	.6409	.6519	.6829	.7266	.7786	.8426	.8947	1.0009	1.3662	2.0113
RP50/A	.4517	.6259	.7067	.7260	.7387	.7703	.8207	.8794	.9481	1.0059	1.1192	1.5737	2.2516
RP100/A	.5024	.7009	.7899	.8083	.8226	.8543	.9110	.9766	1.0490	1.1125	1.2512	1.7549	2.4816
RP1000/A	.6539	.9410	1.0545	1.0688	1.0881	1.1184	1.1945	1.2809	1.3635	1.4443	1.5801	2.3279	3.1984
RP10000/A	.8188	1.1729	1.3083	1.3169	1.3408	1.3680	1.4024	1.5086	1.5983	1.7034	1.8476	2.8736	3.8702
PMP/A	1.6515	2.3239	2.6729	2.7624	2.8153	2.9509	3.1619	3.3939	3.6962	3.9060	4.3471	6.0569	8.5150

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W26 2941 0	STATION NAME FAIRMONT RES		ELEV 608	SEC 3090	TWP 11	RND LOT 07N 15W R	8WM 5	LATITUDE 34.704	LONGITUDE 118.428	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS N=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.71	3.44	3.81	4.11	4.31	4.51	4.80	4.94	5.56	5.97	6.83	8.68	13.75
5	4.08	5.35	5.98	6.40	6.73	6.97	7.47	7.70	8.82	9.21	10.36	13.72	20.56
10	4.97	6.43	7.40	7.88	8.28	8.52	9.15	9.44	10.52	11.23	12.52	16.87	24.82
20	5.81	7.83	8.73	9.24	9.73	9.95	10.70	11.04	12.25	13.08	14.46	19.98	28.68
25	6.07	8.21	9.15	9.67	10.17	10.39	11.10	11.54	12.79	13.63	15.06	20.91	29.67
40	6.61	8.99	10.01	10.80	10.39	11.30	12.17	12.56	13.88	14.78	16.27	21.31	32.31
50	6.87	9.36	10.43	11.05	10.43	11.32	12.19	12.53	13.92	14.82	16.34	21.74	33.44
100	7.64	10.48	11.63	12.20	12.84	13.00	14.01	14.47	15.92	16.85	18.53	24.06	36.86
200	8.39	11.58	12.83	13.41	14.11	14.24	15.36	15.87	17.40	18.51	20.16	29.14	40.16
1000	16.09	14.07	15.53	16.12	16.98	17.02	18.38	18.68	20.49	22.00	23.77	35.12	47.50
10000	12.45	17.34	19.27	18.86	20.93	20.81	22.50	23.25	26.74	28.63	43.36	47.50	
PMP	25.10	34.76	39.37	41.68	43.94	44.89	48.64	50.30	56.08	59.50	65.40	91.36	126.47

CLOCK HR. COR. CALCULATED SKEW REGIONAL SKEW SKEW USED	2.996 1.140 1.360 1.200 1.200	3.870 1.070 1.421 1.300 1.300	4.263 1.070 1.403 1.200 1.200	4.558 1.020 1.093 1.100 1.100	4.781 1.010 1.085 1.100 1.100	4.940 1.010 1.082 1.100 1.100	5.276 1.000 1.084 1.000 1.000	5.429 1.000 1.061 1.000 1.000	6.053 1.000 1.044 1.000 1.000	6.495 1.000 1.033 1.000 1.000	7.344 1.000 1.038 1.000 1.000	9.660 1.000 1.338 1.000 1.000	14.953 1.000 1.000 1.000 1.000
KURTOSIS N	5.227 64	5.792 64	4.383 64	3.444 64	3.252 64	3.362 64	3.324 64	3.804 64	3.147 63	3.362 63	2.762 63	5.101 63	2.965 65
RECORD YEAR	1943	1943	1943	1943	1943	1943	1949	1949	1949	1949	1949	1949	1949
RECORD MAXIMUM	7.800	11.100	12.080	12.080	12.140	12.680	13.540	13.920	14.340	17.030	17.090	20.000	32.920
NORMALIZED MAX	2.600	3.173	3.299	2.992	2.853	2.853	2.774	2.767	2.517	2.978	2.773	3.492	2.761
CALC. COEF. VAR	.521	.554	.536	.555	.539	.548	.554	.554	.545	.518	.557	.584	.501
REGION. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501

MEAN/A	.2017	.2608	.2870	.3069	.3219	.3332	.3552	.3655	.4075	.4373	.4944	.6504	1.0000
RP10/A	.3367	.4462	.4982	.5303	.5576	.5735	.6161	.6355	.7082	.7559	.8427	1.1423	1.6708
RP25/A	.4088	.5529	.6150	.6501	.6766	.6956	.7528	.7770	.8608	.9175	1.0138	1.4091	2.0113
RP50/A	.4823	.6303	.6808	.7175	.7462	.7690	.8501	.8776	.9685	1.0316	1.1336	1.5905	2.2518
RP100/A	.5142	.7057	.7833	.8212	.8444	.8751	.9436	.9743	1.0716	1.1409	1.2477	1.7826	2.4816
RP1000/A	.6795	.9476	1.0457	1.0856	1.1433	1.1456	1.2372	1.2782	1.3929	1.4813	1.6004	2.3847	3.1984
RP10000/A	.8260	1.1011	1.1811	1.2376	1.4069	1.422	1.5146	1.5854	1.8400	1.8003	1.9278	2.9101	3.6702
PMP/A	1.6901	2.3401	2.6505	2.8662	2.9583	3.0225	3.2751	3.3688	3.7758	4.0059	4.4029	6.1327	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W26 5756 0	STATION NAME MOJAVE		ELEV 92	SEC 2735	TWP 35	RND LOT 05S 10E	8WM 10	LATITUDE 35.080	LONGITUDE 118.167	COUNTY CODE 15			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS N=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.07	1.23	1.33	1.38	1.41	1.44	1.50	1.61	1.78	1.87	2.12	2.80	4.38
5	1.62	1.91	2.10	2.14	2.19	2.23	2.34	2.51	2.73	2.89	3.21	4.43	6.55
10	1.97	2.37	2.59	2.64	2.70	2.72	2.87	3.08	3.34	3.52	3.88	5.46	7.90
20	2.30	2.80	3.06	3.10	3.17	3.18	3.35	3.60	3.88	4.09	4.48	6.46	9.13
25	2.41	2.94	3.21	3.24	3.32	3.32	3.50	3.76	4.05	4.27	4.67	6.76	9.51
40	2.62	3.22	3.51	3.51	3.59	3.61	3.81	4.09	4.40	4.63	5.04	6.91	10.28
50	2.72	3.35	3.65	3.67	3.76	3.74	3.96	4.28	4.56	4.80	5.22	7.07	10.64
100	3.03	3.75	4.08	4.08	4.19	4.15	4.39	4.72	5.05	5.31	5.74	6.55	11.73
200	3.33	4.14	4.50	4.49	4.60	4.55	4.81	5.17	5.52	5.80	6.28	6.41	12.78
1000	4.00	5.03	5.45	5.40	5.54	5.44	5.76	6.19	6.56	6.89	7.36	11.35	15.12
10000	4.96	6.27	6.76	6.65	6.82	6.65	7.05	7.58	7.98	8.38	8.87	14.01	18.30
PMP	9.05	12.43	13.86	13.96	14.33	14.34	15.24	16.40	17.78	18.64	20.26	29.53	40.26

MEAN/A	1.188	1.384	1.495	1.528	1.559	1.581	1.653	1.770	1.919	2.035	2.275	3.121	4.728
RP10/A	1.140	1.676	1.690	1.820	1.810	1.810	1.800	1.800	1.800	1.800	1.800	1.800	1.800
RP25/A	1.038	1.072	1.239	1.248	1.248	1.248	1.248	1.248	1.248	1.248	1.248	1.248	1.248
RP50/A	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
RP100/A	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
KURTOSIS N	3.921 26	3.908 26	4.515 26	4.280 26	3.632 26	3.560 26	3.387 26	3.241 26	3.158 26	3.435 26	3.330 26	7.250 26	3.933 26
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966
RECORD MAXIMUM	2.400	3.090	3.090	3.090	3.090	3.090	3.090	3.090	3.090	3.090	3.090	9.370	11.360
NORMALIZED MAX	1.985	2.210	2.584	2.594	2.476	2.461	2.302	2.268	2.210	2.475	2.503	3.361	2.760
CALC. COEF. VAR	.519	.528	.543	.529	.533	.524	.535	.544	.552	.551	.547	.596	.520
REGION. COEF. VAR	.492	.532	.543	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.584	.501

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE		
W26 6624 0	PALMDALE		362	2517	19	06N	11W	N 5	34.590	118.092	36		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS N=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.45	1.69	1.87	1.98	2.10	1.82	1.90	2.45	2.27	2.38	3.41	3.47	7.27
5	2.18	2.63	2.94	2.61	3.28	2.81	2.95	3.82	3.51	3.67	5.17	5.49	10.87
10	2.66	3.26	3.64	3.43	4.04	3.43	3.62	4.68	4.29	4.47	6.25	6.79	13.12
20	3.11	3.85	4.30	3.77	4.74	4.01	4.23	5.48	5.00	5.20	7.22	8.00	15.16
25	3.25	4.04	4.50	3.94	4.94	4.18	4.42	5.72	5.21	5.42	7.52	8.37	15.79
40	3.54	4.42	4.92	4.02	5.07	4.55	4.81	6.23	5.64	5.88	8.13	8.55	17.08
50	3.67	4.60	5.12	4.46	5.62	4.72	4.99	6.46	5.87	6.16	8.41	9.50	17.87
100	4.08	5.15	5.72	4.97	6.26	5.23	5.54	7.18	6.49	6.74	9.25	10.60	19.48
200	4.49	5.69	6.31	5.46	6.88	5.73	6.07	7.87	7.09	7.37	10.07	11.66	21.23
1000	5.40	6.92	7.84	6.57	8.28	6.85	7.26	9.41	8.44	8.75	11.67	14.06	25.11
10000	6.66	8.62	9.48	8.09	10.20	8.36	8.89	11.53	10.26	10.64	14.30	17.35	31.83
PMP	13.43	17.09	19.37	16.98	21.42	18.08	19.22	24.94	22.87	23.68	32.66	36.57	66.84

MEAN	1.602	1.903	2.097	1.857	2.330	1.993	2.085	2.692	2.466	2.585	3.667	3.866	7.890
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.992	1.102	1.361	1.357	1.263	1.346	1.568	1.951	1.687	1.543	1.910	1.803	1.116
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.220	4.536	4.484	1.916	4.575	2.071	2.499	3.519	3.051	2.623	3.375	2.998	3.950
N	42	42	42	17	42	17	17	42	17	17	42	17	42
RECORD YEAR	1944	1943	1944	1968	1944	1972	1972	1944	1966	1966	1944	1966	1941
RECORD MAXIMUM	3.430	4.410	5.380	3.230	6.320	3.770	4.250	6.610	5.620	5.620	8.340	7.740	16.410
NORMALIZED MAX	2.483	2.848	2.848	1.900	3.007	1.761	1.989	2.510	2.211	2.002	2.367	1.857	2.501
CALC. COEF. VAR	1.469	1.494	1.550	1.496	1.569	1.506	1.550	1.553	1.577	1.570	1.538	1.540	1.511
REGN. COEF. VAR	1.492	1.532	1.549	1.543	1.546	1.538	1.548	1.551	1.551	1.544	1.527	1.564	1.501
USED COEF. VAR	1.492	1.532	1.549	1.543	1.546	1.538	1.548	1.551	1.551	1.544	1.527	1.564	1.501

MEAN/A	2.041	2.244	2.2672	2.2366	2.2969	2.2539	2.2656	3.3430	3.1144	3.2993	4.6672	4.4925	1.0000
RP10/A	3.387	4.151	4.638	4.088	5.142	4.370	4.666	5.963	5.664	5.691	7.782	8.649	1.6708
RP25/A	4.137	5.143	5.734	4.831	6.313	4.780	5.083	6.641	6.041	6.041	8.137	8.962	2.0113
RP50/A	4.678	5.963	6.524	5.586	7.159	5.602	6.355	8.234	7.472	7.767	10.710	12.104	2.2516
RP100/A	5.204	6.659	7.291	6.330	7.972	6.666	7.054	9.142	8.266	8.590	11.789	13.498	2.4816
RP1000/A	6.876	8.814	9.734	8.369	1.0544	8.729	9.250	11.993	1.0746	1.1152	15.121	17.705	3.1984
RP10000/A	8.681	11.098	12.074	1.0310	1.2964	1.0879	1.1325	14.687	1.3076	1.3554	18.215	22.103	3.8702
PMP/A	1.7104	2.1767	2.4674	2.1633	2.7263	2.3030	2.4485	3.1777	2.9131	3.0160	4.1600	4.6588	6.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE		
W26 6627 0	ONO PALMDALE AP		2517	07	06N	11W	K	5	34.622	118.083	70		
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS N-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.28	1.51	1.70	1.84	1.92	2.00	2.12	2.24	2.53	2.75	3.15	4.06	6.94
5	1.92	2.35	2.67	2.86	3.00	3.09	3.29	3.50	3.92	4.24	4.78	6.41	10.38
10	2.34	2.91	3.31	3.52	3.69	3.77	4.04	4.29	4.74	5.17	5.78	7.93	12.52
20	2.74	3.44	3.91	4.13	4.33	4.41	4.72	5.02	5.57	6.01	6.68	9.33	14.48
25	2.86	3.60	4.09	4.32	4.53	4.60	4.93	5.24	5.82	6.27	6.95	9.77	15.08
40	3.12	3.94	4.44	4.41	4.63	5.00	5.37	5.71	6.31	6.81	7.51	9.99	16.31
50	3.23	4.11	4.66	4.69	5.14	5.19	5.57	5.92	6.54	7.05	7.77	11.09	16.88
100	3.60	4.60	5.21	5.45	5.72	5.76	6.18	6.57	7.24	7.80	8.36	12.37	18.60
200	3.95	5.08	5.74	5.99	6.29	6.31	6.76	7.21	7.91	8.52	9.31	13.61	20.27
1000	4.75	6.17	6.95	7.20	7.57	7.54	8.11	8.62	9.41	10.13	10.97	16.41	23.97
10000	5.66	7.69	8.62	8.67	9.33	9.22	9.92	10.86	11.44	12.31	13.22	20.26	29.01
PMP	11.83	15.24	17.62	18.62	19.38	19.88	21.46	22.85	25.31	27.39	30.19	42.70	63.03

MEAN	1.411	1.697	1.908	2.036	2.131	2.193	2.327	2.466	2.753	2.996	3.390	4.513	7.494
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.310	1.492	1.537	1.624	1.617	1.539	1.296	1.095	1.114	1.120	1.234	1.364	1.916
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
KURTOSIS	4.965	5.583	5.624	5.627	5.423	5.329	4.410	3.071	4.232	4.034	4.424	4.910	3.967
N	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD YEAR	1944	1943	1944	1944	1944	1944	1944	1944	1944	1944	1938	1938	1938
RECORD MAXIMUM	3.430	4.410	5.380	5.640	6.320	6.560	6.810	6.610	7.820	8.030	9.630	13.980	19.350
NORMALIZED MAX	2.534	2.692	2.844	2.902	2.960	2.932	2.779	2.653	2.926	2.618	2.823	3.062	2.567
CALC. COEF. VAR	1.565	1.594	1.640	1.661	1.646	1.679	1.662	1.633	1.629	1.644	1.652	1.685	1.616
REGN. COEF. VAR	1.492	1.532	1.549	1.543	1.546	1.538	1.548	1.551	1.551	1.544	1.527	1.564	1.501
USED COEF. VAR	1.492	1.532	1.549	1.543	1.546	1.538	1.548	1.551	1.551	1.544	1.527	1.564	1.501
MEAN/A	1.063	1.264	1.2545	1.2716	1.2843	1.2925	1.3105	1.3290	1.3673	1.3989	1.4523	1.6021	1.0000
RP10/A	3.124	3.978	4.416	4.693	4.925	5.035	5.385	5.720	6.383	6.695	7.708	1.0575	1.6708
RP25/A	3.616	4.804	5.462	5.762	6.050	6.140	6.580	6.994	7.758	8.070	9.274	1.3036	2.0113
RP50/A	4.315	5.477	6.214	6.627	6.956	6.926	7.430	7.899	8.729	9.111	1.0370	1.4769	2.2816
RP100/A	4.809	6.133	6.945	7.267	7.624	7.582	8.247	8.770	9.659	1.0407	1.1814	1.6593	2.4816
RP1000/A	6.343	8.234	9.272	9.609	1.0006	1.0056	1.0614	1.1305	1.2554	1.3122	1.4640	2.0922	3.1904
RP10000/A	7.622	1.0264	1.1504	1.1836	1.2444	1.2300	1.3240	1.4070	1.5268	1.6422	1.7636	2.7024	3.8702
PMP/A	1.5777	2.0335	2.3502	2.4636	2.6128	2.6531	2.8626	3.0485	3.4032	3.6542	4.6277	5.6960	6.5150

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W28 519 2	STATION NAME BARSTON	ELEV 2150	SEC 01	TWP 09N	RNG LOT 02W	BWM S	LATITUDE 34.900	LONGITUDE 117.783	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION O-DAYS M-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.92	1.01	1.04	1.07	1.07	1.16	1.19	1.31	1.48	1.59	1.90	2.18	4.14
5	1.38	1.58	1.63	1.66	1.67	1.78	1.85	2.04	2.30	2.45	2.89	3.44	6.20
10	1.69	1.96	2.01	2.05	2.05	2.18	2.27	2.50	2.81	2.98	3.49	4.26	7.48
20	1.97	2.31	2.38	2.40	2.41	2.55	2.65	2.92	3.27	3.47	4.03	5.01	8.64
25	2.06	2.42	2.49	2.51	2.52	2.66	2.77	3.06	3.41	3.62	4.20	5.25	9.00
40	2.24	2.66	2.72	2.87	2.88	2.89	3.01	3.38	3.70	3.93	4.54	5.36	9.74
50	2.33	2.76	2.85	2.86	2.86	3.00	3.13	3.45	3.64	3.87	4.47	5.96	10.08
100	2.59	3.09	3.17	3.17	3.18	3.33	3.47	3.83	4.25	4.50	5.16	6.64	11.11
200	2.85	3.42	3.49	3.48	3.50	3.65	3.88	4.20	4.64	4.92	5.62	7.31	12.10
1000	3.42	4.16	4.23	4.19	4.21	4.36	4.55	5.03	5.52	5.84	6.82	8.81	14.32
10000	4.22	5.18	5.24	5.16	5.19	5.33	5.57	6.16	6.71	7.10	7.98	10.87	17.33
PMP	8.51	10.26	10.71	10.83	10.90	11.50	12.04	13.32	14.96	15.80	18.22	22.92	36.12
MEAN	1.016	1.143	1.160	1.184	1.186	1.268	1.306	1.438	1.615	1.725	2.047	2.423	4.476
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.258	.771	.984	.940	.944	1.250	1.186	.956	.518	.835	.607	.413	.494
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	5.848	3.349	4.091	3.898	4.020	4.761	3.968	3.211	2.454	3.129	2.697	2.268	2.784
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1918	1918	1916	1916	1916	1918	1918	1908	1908	1916	1916	1916	1918
RECORD MAXIMUM	1.930	2.010	2.300	2.410	2.410	2.800	2.800	3.010	3.030	3.300	3.870	4.340	7.650
NORMALIZED MAX	2.285	1.896	2.294	2.289	2.283	2.565	2.260	2.114	1.903	2.016	1.993	1.737	1.801
CALC. COEF. VAR	.399	.400	.426	.439	.426	.471	.502	.517	.486	.479	.522	.564	.501
REQD. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.2269	.2553	.2592	.2644	.2649	.2833	.2917	.3211	.3608	.3853	.4572	.5413	1.0000
RP10/A	.3766	.4371	.4489	.4570	.4588	.4875	.5068	.5383	.6268	.6860	.7791	.9500	1.6780
RP25/A	.4800	.5810	.5962	.6010	.6036	.6304	.6548	.6820	.7620	.8080	.9374	1.1719	2.0130
RP50/A	.5201	.6174	.6328	.6356	.6387	.6707	.6982	.7709	.8574	.9040	1.0482	1.3304	2.2516
RP100/A	.5785	.6914	.7073	.7076	.7113	.7439	.7750	.8559	.9487	1.0053	1.1537	1.4835	2.4816
RP1000/A	.7444	.9283	.9442	.9355	.9409	.9738	1.0162	1.1228	1.2331	1.3052	1.4797	1.9680	3.1984
RP10000/A	.9428	1.1570	1.1715	1.1525	1.1594	1.1911	1.2441	1.3751	1.4996	1.5863	1.7826	2.4293	3.9802
PMP/A	1.4015	2.2924	2.3933	2.4182	2.4343	2.5693	2.6899	2.9752	3.3426	3.5298	4.0711	5.1204	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB W28 779 0	STATION NAME BIG PINES PARK	ELEV 6860	SEC 02	TWP 03W	RNG LOT 08W	BWM S	LATITUDE 34.379	LONGITUDE 117.661	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION O=DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.97	4.98	5.50	5.91	6.17	6.61	7.13	7.64	8.37	9.02	10.28	13.25	22.60
5	5.97	7.76	8.64	9.20	9.63	10.21	11.08	11.90	12.97	13.92	15.39	20.95	33.82
10	7.61	9.61	10.69	11.32	11.85	12.48	13.48	14.46	15.84	16.96	18.83	25.90	40.79
20	8.51	11.35	12.62	13.29	13.92	14.57	15.88	17.08	18.45	19.73	21.75	30.50	47.14
25	8.89	11.90	13.22	13.90	14.56	15.22	16.59	17.85	19.25	20.59	22.65	31.93	49.11
40	9.69	13.04	14.46	14.20	14.87	15.55	18.06	19.43	20.89	22.34	24.48	32.63	53.11
50	10.06	13.57	15.04	15.75	16.50	17.17	19.64	21.06	22.53	23.96	26.39	34.87	56.97
100	11.16	15.19	16.81	17.53	18.37	19.04	20.80	22.39	23.96	25.60	27.87	40.42	60.58
200	12.29	16.79	18.54	19.27	20.20	20.66	22.80	24.54	26.19	27.97	30.33	44.46	66.01
1000	14.78	20.40	22.44	23.17	24.30	24.93	27.27	29.37	31.15	33.24	35.75	53.62	78.08
10000	18.23	25.43	27.85	28.55	29.44	30.49	33.39	35.97	37.68	40.49	43.07	66.19	94.46
PMP	36.76	50.35	56.89	59.91	62.87	65.76	72.19	77.81	84.43	88.69	98.36	139.51	207.87
MEAN	4.387	5.610	6.160	6.551	6.842	7.251	7.830	8.399	9.113	9.813	11.046	14.747	24.412
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.144	1.358	1.227	1.048	.893	1.028	1.221	1.299	1.332	1.319	1.224	1.736	1.014
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.000	1.000	1.000	.900	.900	.800	1.100	.900
KURTOSIS	4.421	4.992	4.344	3.677	3.414	4.102	4.990	5.146	5.328	5.487	5.048	7.004	3.698
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1954	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	9.460	14.390	15.600	15.740	15.820	17.720	21.060	23.040	25.160	27.940	29.610	47.140	54.860
NORMALIZED MAX	2.164	2.719	2.583	2.443	2.402	2.614	3.026	3.009	3.068	3.156	3.051	3.445	2.644
CALC. COEF. VAR	.534	.576	.593	.574	.546	.552	.584	.579	.574	.571	.551	.638	.473
REQD. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.564	.501
MEAN/A	.1797	.2298	.2523	.2683	.2802	.2970	.3207	.3448	.3733	.4020	.4525	.6041	1.0000
RP10/A	.2982	.3933	.4301	.4637	.4854	.5112	.5563	.5981	.6487	.6946	.7711	1.0609	1.6708
RP25/A	.3643	.4876	.5416	.5693	.5963	.6234	.6797	.7312	.7885	.8434	.9277	1.3079	2.0113
RP50/A	.4119	.5558	.6162	.6450	.6750	.7032	.7675	.8259	.8871	.9482	1.0374	1.4847	2.2516
RP100/A	.4582	.6224	.6887	.7181	.7525	.7802	.8520	.9170	.9816	1.0487	1.1418	1.6557	2.8161
RP1000/A	.6054	.8356	.9194	.9493	.9954	1.0210	1.1171	1.2030	1.2759	1.3613	1.4845	2.1964	3.1094
RP10000/A	.7467	1.0416	1.1407	1.1695	1.2266	1.2489	1.3677	1.4732	1.5517	1.6547	1.7642	2.7113	3.6702
PMP/A	1.5059	2.0637	2.3304	2.4540	2.5755	2.6939	2.9571	3.1874	3.4588	3.6821	4.0292	5.7147	8.5150

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W28 2257 0	STATION NAME DABOETT A P	ELEV 36	SEC 1922	TWP 09N	RNG LOT 02E	BWM 5	LATITUDE 34.667	LONGITUDE 116.763	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.80	.89	.93	.94	.96	.97	1.01	1.04	1.11	1.20	1.36	1.72	3.16
5	1.21	1.39	1.47	1.46	1.49	1.50	1.57	1.63	1.72	1.85	2.06	2.72	4.73
10	1.48	1.72	1.82	1.80	1.84	1.83	1.92	2.00	2.10	2.25	2.48	3.36	5.70
20	1.72	2.03	2.14	2.11	2.16	2.14	2.25	2.33	2.44	2.62	2.87	3.96	6.59
25	1.80	2.13	2.25	2.21	2.26	2.23	2.35	2.44	2.55	2.73	2.99	4.14	6.86
40	1.96	2.44	2.56	2.26	2.30	2.43	2.56	2.66	2.77	2.96	3.23	4.23	7.42
50	2.04	2.43	2.55	2.50	2.56	2.52	2.65	2.76	2.87	3.07	3.34	4.70	7.68
100	2.27	2.72	2.85	2.79	2.85	2.80	2.95	3.06	3.17	3.40	3.68	5.24	8.47
200	2.49	3.01	3.15	3.07	3.13	3.06	3.23	3.36	3.47	3.71	4.00	5.77	9.23
1000	3.00	3.65	3.81	3.69	3.77	3.66	3.86	4.02	4.12	4.41	4.72	6.96	10.91
10000	3.89	4.56	4.73	4.54	4.64	4.50	4.73	4.92	5.05	5.39	5.68	8.39	13.21
PMP	7.45	9.03	9.66	9.53	9.74	9.65	10.22	10.64	11.18	11.92	12.97	18.10	29.05
MEAN	.889	1.005	1.046	1.042	1.060	1.064	1.109	1.148	1.206	1.302	1.457	1.913	3.412
CLOCK HR. COR.	1.140	1.070	1.049	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.403	1.544	1.545	1.747	1.701	1.705	1.387	1.455	1.381	1.406	1.110	1.487	1.332
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
KURTOSIS	6.302	5.634	6.211	6.288	6.247	6.273	4.950	5.245	4.970	5.345	4.297	3.956	2.567
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1959	1959	1961	1961	1961	1961	1961	1959	1959	1959	1959	1959	1959
RECORD MAXIMUM	2.060	2.680	2.940	3.020	3.020	3.020	3.246	3.360	3.630	3.780	4.980	6.510	10.910
NORMALIZED MAX	2.688	2.803	2.794	2.940	2.979	2.982	2.814	2.866	2.849	3.026	2.814	2.862	2.176
CALC. COEF. VAR	.490	.595	.648	.645	.621	.616	.612	.636	.627	.591	.567	.572	.417
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.544	.527	.504	.501	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.504	.501
MEAN/A	.2606	.2946	.3066	.3054	.3107	.3119	.3250	.3385	.3535	.3815	.4270	.5608	1.0000
RP10/A	.4325	.5044	.5322	.5278	.5382	.5369	.5637	.5951	.6143	.6594	.7277	.9849	1.6708
RP25/A	.5253	.6244	.6580	.6501	.6680	.6651	.7067	.7467	.7604	.8255	.9155	1.2141	2.0113
RP50/A	.5974	.7124	.7486	.7341	.7492	.7385	.7778	.8079	.8401	.9000	.9790	1.3783	2.2516
RP100/A	.6644	.7977	.8367	.8173	.8343	.8192	.8634	.8970	.9296	.9953	1.0775	1.5370	2.4816
RP1000/A	.8780	1.0711	1.1170	1.0805	1.1035	1.0723	1.1320	1.1767	1.2082	1.2922	1.3821	2.0389	3.1984
RP10000/A	1.0828	1.3351	1.3859	1.3312	1.3599	1.3116	1.3860	1.4411	1.4694	1.6649	2.5189	3.8702	6.5150
PMP/A	2.1859	2.6452	2.8313	2.7932	2.8554	2.8292	2.9986	3.1180	3.2753	3.4948	3.8023	5.3051	8.5150

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB W28 8479 0	STATION NAME SQUIRREL INN	ELEV 5680	SEC 19	TWP 02N	RNG LOT 03W	BWM 5	LATITUDE 34.233	LONGITUDE 117.233	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	5.39	6.82	7.68	8.44	8.99	9.46	10.20	11.02	12.66	13.95	16.39	21.89	37.10
5	8.11	10.82	12.07	13.14	14.02	14.61	15.86	17.17	19.62	21.52	24.81	34.60	55.51
10	9.89	13.16	14.94	16.17	17.26	17.86	19.44	21.05	23.95	26.23	29.97	42.78	66.95
20	11.56	15.55	17.63	18.98	20.27	20.86	22.74	24.93	27.90	30.52	34.63	50.37	77.38
25	12.08	16.30	18.47	19.95	21.21	21.78	23.76	25.74	29.11	31.84	36.06	52.73	80.59
40	13.15	17.86	20.20	22.28	21.66	23.69	25.85	28.02	31.60	34.54	38.97	53.89	87.17
50	13.66	18.59	21.01	22.49	24.03	24.57	26.83	29.07	32.76	35.79	40.32	59.86	90.22
100	15.19	20.81	23.48	25.04	26.76	27.25	29.78	32.28	36.24	39.59	44.38	66.76	99.44
200	16.69	22.99	25.90	27.52	29.42	29.86	32.64	35.39	39.61	43.25	48.28	73.47	108.34
1000	20.07	27.94	31.35	33.10	35.39	35.68	39.04	42.35	47.11	51.40	56.92	88.56	128.16
10000	24.76	34.77	38.93	40.78	43.62	43.64	47.80	51.86	57.29	62.46	68.57	109.32	155.07
PMP	49.93	69.01	79.47	85.57	91.58	94.13	103.35	112.20	127.70	138.99	156.59	230.41	341.18
MEAN	5.958	7.684	8.606	9.357	9.965	10.378	11.210	12.110	13.783	15.174	17.585	24.357	40.669
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.178	1.905	1.773	1.562	1.409	1.303	1.025	1.222	1.050	1.181	1.471	1.426	1.000
REGIONAL SKEW	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
SKEW USED	1.200	1.300	1.200	1.100	1.100	1.100	1.000	1.000	1.000	1.000	1.000	1.100	1.000
KURTOSIS	11.227	7.975	6.681	5.418	4.839	4.571	3.666	4.694	4.291	4.910	6.379	5.519	4.223
N	72	72	72	72	72	72	72	72	72	72	72	72	72
RECORD YEAR	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916
RECORD MAXIMUM	16.810	22.640	25.960	28.870	27.320	27.800	27.800	31.720	37.000	42.580	50.290	70.850	97.000
NORMALIZED MAX	4.053	3.759	3.767	3.521	3.413	3.358	3.040	3.345	3.410	3.591	3.746	3.656	3.439
CALC. COEF. VAR	.449	.518	.526	.532	.510	.500	.487	.484	.494	.503	.496	.513	.413
REGN. COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.504	.501
USED COEF. VAR	.492	.532	.549	.543	.546	.538	.548	.551	.551	.544	.527	.504	.501
MEAN/A	1.1487	1.1918	1.2148	1.2335	1.2487	1.2590	1.2798	1.3022	1.3440	1.3767	1.4389	1.6079	1.0000
RP10/A	2.2468	3.2884	3.7728	4.3036	4.6088	4.8458	5.2555	5.9778	6.8545	7.8045	9.0076	1.0676	1.6708
RP25/A	3.0140	4.0569	4.6019	4.9555	5.2920	5.4370	5.9290	6.8240	7.9450	8.9980	1.1361	2.0113	3.4120
RP50/A	3.8080	4.6030	5.2444	5.6133	5.9970	6.1320	6.6950	7.7560	8.9330	1.0052	1.4940	2.2516	4.7300
RP100/A	3.7791	5.1594	5.8611	6.2470	6.6780	6.8020	7.4310	8.6560	9.8450	1.0779	1.6661	2.4816	5.7000
RP1000/A	5.0100	6.9774	7.8250	8.2610	8.8130	8.9040	9.7440	1.1568	1.1767	1.2827	1.4205	2.2101	3.1984
RP10000/A	6.1716	8.6902	9.7019	1.0178	1.0886	1.0891	1.1930	1.2943	1.4299	1.5589	1.7112	2.7283	3.8702
PMP/A	1.2461	1.7222	1.9834	2.1355	2.2856	2.3492	2.5794	2.8003	3.1871	3.4688	3.9081	5.7504	8.5150

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65H ORDER SUB X05 4467 0	STATION NAME KEE RANCH	ELEV 4325	SEC 14	TWP 01N	RNG LOT 04E P 5	BMW S	LATITUDE 34.167	LONGITUDE 116.533	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.77	1.94	2.09	2.13	2.29	2.46	2.60	2.64	2.77	2.85	3.30	4.30	6.06
5	3.06	3.35	3.61	3.68	3.95	4.24	4.48	4.55	4.76	4.87	5.69	7.36	9.52
10	4.03	4.43	4.74	4.83	5.15	5.53	5.85	5.94	6.18	6.29	7.42	9.51	11.75
20	5.01	5.50	5.86	5.97	6.34	6.81	7.20	7.31	7.57	7.67	9.14	11.59	13.81
25	5.32	5.84	6.22	6.33	6.72	7.21	7.63	7.75	8.01	8.11	9.68	12.25	14.46
40	5.98	6.57	6.98	7.10	7.52	8.07	8.54	8.67	8.94	9.02	10.83	13.63	16.77
50	6.30	6.91	7.33	7.47	7.89	8.47	8.96	9.10	9.38	9.46	11.37	14.28	16.40
100	7.28	7.99	8.44	8.60	9.06	9.72	10.29	10.45	10.73	10.78	13.05	16.28	18.27
200	8.05	9.06	9.55	9.72	10.22	10.97	11.60	11.78	12.07	12.09	14.73	18.26	20.10
1000	10.52	11.55	12.11	12.35	12.90	13.64	14.44	14.67	15.15	15.10	18.58	22.61	24.20
10000	13.76	15.11	15.77	16.06	16.70	17.93	18.96	19.26	19.51	19.34	24.06	29.22	29.85
PMP	23.32	25.50	27.35	27.84	29.65	31.83	33.67	34.19	35.50	36.08	42.73	54.49	62.80
MEAN	2.197	2.412	2.576	2.623	2.793	2.999	3.172	3.221	3.344	3.399	4.025	5.134	6.735
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	3.500	1.176	0.913	1.196	1.355	1.526	1.677	1.693	1.625	1.582	1.412	2.202	2.754
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	2.830	3.920	2.992	3.897	4.236	4.959	5.591	5.754	5.518	5.130	5.223	8.509	3.642
RECORD YEAR N	20	19	19	19	19	19	19	19	19	19	19	19	19
RECORD MAXIMUM	1969	1972	1966	1966	1966	1966	1966	1966	1966	1966	1966	1969	1958
NORMALIZED MAX	3.500	5.000	5.000	6.009	7.000	8.000	9.000	9.250	9.250	9.250	10.000	17.360	14.140
CALC. COEF. VAR	1.342	2.044	1.778	2.220	2.368	2.511	2.626	2.604	2.549	2.496	2.463	3.158	2.137
REGN. COEF. VAR	.442	.525	.529	.580	.636	.664	.700	.697	.693	.690	.663	.754	.515
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3263	.3581	.3826	.3895	.4148	.4452	.4710	.4882	.4966	.5047	.5977	.7623	1.0000
RP10/A	.3587	.4572	.5039	.5167	.5651	.6213	.6688	.6822	.7179	.7365	1.1025	1.4116	1.7442
RP25/A	.7903	.8675	.9237	.9404	.9979	1.0712	1.1332	1.1507	1.1900	1.2044	1.4380	1.8191	2.1465
RP50/A	.9353	1.0267	1.0890	1.1087	1.1721	1.2582	1.3310	1.3515	1.3925	1.4039	1.6890	2.1204	2.4346
RP100/A	1.0803	1.1858	1.2538	1.2765	1.3452	1.4440	1.5275	1.5511	1.5929	1.6007	1.9383	2.4177	2.7131
RP1000/A	1.5618	1.7144	1.7968	1.8313	1.9148	2.0555	2.1744	2.2078	2.2454	2.2422	2.7592	3.3666	3.5938
RP10000/A	2.0434	2.2430	2.3416	2.3839	2.4797	2.6418	2.8158	2.8592	2.8974	2.8722	3.5731	4.3380	4.4326
PMP/A	3.4634	3.8017	4.0609	4.1343	4.4029	4.7263	4.9997	5.0769	5.2710	5.3573	6.3444	8.0915	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65N ORDER SUB X12 4297 0	STATION NAME IRON MTN	ELEV 77	SEC 900	TWP 30	RNG LOT 01N	BMW S	LATITUDE 34.133	LONGITUDE 115.133	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.80	.90	.93	.94	.97	1.00	1.03	1.05	1.14	1.22	1.28	1.54	2.76
5	1.38	1.56	1.60	1.62	1.67	1.72	1.77	1.82	1.96	2.09	2.20	2.63	4.33
10	1.82	2.06	2.10	2.13	2.18	2.24	2.32	2.37	2.54	2.71	2.87	3.40	5.35
20	2.26	2.56	2.60	2.64	2.68	2.76	2.85	2.92	3.12	3.30	3.53	4.15	6.29
25	2.40	2.72	2.76	2.80	2.84	2.92	3.02	3.09	3.30	3.49	3.75	4.39	6.58
40	2.70	3.05	3.09	3.14	3.18	3.27	3.38	3.46	3.68	3.88	4.19	4.88	6.72
50	2.84	3.21	3.25	3.30	3.33	3.43	3.55	3.63	3.86	4.06	4.40	5.11	7.46
100	3.26	3.71	3.74	3.80	3.83	3.94	4.07	4.17	4.41	4.63	5.05	5.83	8.32
200	3.72	4.21	4.23	4.30	4.32	4.44	4.59	4.71	4.96	5.20	5.70	6.54	9.15
1000	4.74	5.37	5.37	5.45	5.45	5.61	5.79	5.94	6.23	6.49	7.19	8.17	11.02
10000	6.20	7.02	6.99	7.09	7.06	7.26	7.50	7.66	8.03	8.31	9.31	10.46	13.59
PMP	10.51	11.90	12.12	12.30	12.53	12.89	13.32	13.45	14.41	15.51	16.53	19.51	28.59
MEAN	.990	1.121	1.142	1.159	1.180	1.214	1.255	1.286	1.376	1.441	1.557	1.838	3.066
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.261	3.968	3.867	3.767	3.753	3.687	3.508	3.493	3.487	3.564	3.410	2.663	1.733
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	10.910	22.611	21.981	21.354	21.301	21.146	22.988	23.235	19.495	20.192	18.412	13.165	6.783
RECORD YEAR N	39	39	39	39	39	39	39	39	39	39	39	39	39
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940
RECORD MAXIMUM	2.980	5.390	5.520	5.560	5.590	5.590	6.030	6.100	6.150	6.890	7.050	7.380	9.010
NORMALIZED MAX	3.536	4.798	4.937	5.020	5.084	5.069	5.246	5.260	5.014	5.068	4.936	4.405	3.312
CALC. COEF. VAR	.566	.794	.777	.757	.735	.711	.725	.711	.692	.733	.715	.672	.589
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3229	.3656	.3724	.3780	.3849	.3900	.4093	.4195	.4467	.4764	.5078	.5994	1.0000
RP10/A	.5925	.6709	.6853	.6955	.7100	.7305	.7551	.7737	.8295	.8623	.9360	1.1101	1.7442
RP25/A	.7821	.8850	.8992	.9126	.9265	.9528	.9849	1.0092	1.0754	1.1369	1.2217	1.4305	2.1405
RP50/A	.9256	1.0481	1.0611	1.0759	1.0877	1.1132	1.1560	1.1854	1.2584	1.3253	1.4349	1.6955	2.4340
RP100/A	1.0591	1.2105	1.2200	1.2387	1.2482	1.2804	1.3276	1.3604	1.4395	1.5111	1.6468	1.9012	2.7131
RP1000/A	1.5457	1.7502	1.7511	1.7772	1.7768	1.8283	1.8897	1.9305	2.0328	2.1166	2.3441	2.6631	3.5938
RP10000/A	2.0222	2.2898	2.2795	2.3134	2.3010	2.3676	2.4472	2.5077	2.6103	2.7113	3.0355	3.4113	4.4326
PMP/A	3.4275	3.8810	3.9531	4.0120	4.0857	4.2046	4.3452	4.4527	4.7633	5.0572	5.3901	6.3830	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB X13 6118 8	STATION NAME NEEDLES	ELEV 98	SEC 480	TWP 34	RNG LOT 767	BWM 114	LATITUDE 617	LONGITUDE 36	COUNTY CODE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.96	1.05	1.12	1.16	1.22	1.25	1.30	1.33	1.46	1.54	1.71	2.11	4.01
5	1.66	1.81	1.93	2.00	2.10	2.15	2.24	2.30	2.50	2.63	2.94	3.62	6.30
10	2.19	2.39	2.53	2.63	2.75	2.81	2.92	3.00	3.25	3.40	3.84	4.68	7.78
20	2.72	2.97	3.13	3.25	3.38	3.45	3.59	3.70	3.98	4.15	4.73	5.70	9.15
25	2.90	3.15	3.33	3.45	3.58	3.66	3.81	3.92	4.22	4.39	5.01	6.03	9.57
40	3.26	3.55	3.73	3.87	4.01	4.09	4.26	4.38	4.70	4.88	5.60	6.71	10.78
50	3.43	3.73	3.92	4.07	4.21	4.30	4.47	4.60	4.93	5.11	5.88	7.03	10.86
100	3.96	4.31	4.51	4.68	4.83	4.93	5.13	5.28	5.64	5.83	6.75	8.01	12.10
200	4.49	4.89	5.11	5.30	5.45	5.56	5.79	5.96	6.35	6.54	7.62	8.99	13.31
1000	5.72	6.23	6.48	6.72	6.88	7.02	7.31	7.52	7.97	8.16	9.61	11.22	16.02
10000	7.49	8.15	8.43	8.75	8.91	9.09	9.46	9.74	10.27	10.46	12.45	14.38	19.76
PMP	12.69	13.82	14.62	15.17	15.81	16.15	16.80	17.29	18.68	19.51	22.10	26.82	41.58

MEAN	1.195	1.362	1.377	1.429	1.490	1.521	1.583	1.628	1.759	1.838	2.082	2.526	4.459
CLOCK MR. COR.	1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.423	1.540	1.765	1.619	1.319	1.385	1.655	1.469	1.546	1.546	1.763	1.763	1.763
REGIONAL SKEW	2.000	2.000	1.900	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	5.372	5.798	7.413	6.949	6.083	5.876	7.060	7.637	6.485	6.348	8.738	6.954	4.727
N	77	77	77	77	77	77	77	77	77	77	77	77	77
RECORD YEAR	1907	1940	1946	1940	1940	1940	1910	1907	1907	1940	1910	1910	1940
RECORD MAXIMUM	3.490	3.920	5.100	5.120	5.120	5.120	5.585	5.660	6.040	6.110	9.210	1.742	1.742
NORMALIZED MAX	3.122	3.218	4.123	4.063	3.960	3.960	3.979	3.733	3.453	3.014	4.099	3.969	3.463
CALC. COEF. VAR	.615	.625	.656	.619	.600	.595	.635	.603	.642	.633	.706	.697	.576
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2601	.2919	.3089	.3265	.3341	.3411	.3551	.3652	.3946	.4122	.4670	.5666	1.0000
RP10/A	.4910	.5357	.5684	.5927	.6092	.6277	.6584	.6733	.7033	.7264	.8614	1.0000	1.742
RP25/A	.6494	.7071	.7459	.7728	.8039	.8207	.8542	.8787	.9457	.9836	1.1236	1.3522	2.1465
RP50/A	.7685	.8368	.8794	.9134	.9442	.9640	1.0033	1.0321	1.1066	1.1466	1.3197	1.5761	2.4346
RP100/A	.8876	.9665	1.0124	1.0504	1.0836	1.1063	1.1515	1.1844	1.2659	1.3073	1.5146	1.7971	2.7131
RP1000/A	1.2633	1.2974	1.2970	1.2670	1.2425	1.2148	1.0391	1.0312	1.0312	1.0312	2.1560	2.5172	3.5938
RP10000/A	1.6790	1.6243	1.8908	1.9617	1.9975	2.0393	2.1226	2.1933	2.3025	2.3456	2.7919	3.2245	4.4326
PMP/A	2.8458	3.0988	3.2791	3.4021	3.5468	3.6211	3.7689	3.8768	4.1887	4.3752	4.9574	6.0144	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB X14 6699 0	STATION NAME PARKER RESERVOIR	ELEV 738	SEC 02N	TWP 27E	RNG LOT 34	BWM 283	LATITUDE 114	LONGITUDE 167	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.86	.96	.98	1.04	1.11	1.14	1.19	1.23	1.33	1.40	1.56	2.02	4.10
5	1.52	1.66	1.70	1.80	1.91	1.97	2.04	2.11	2.28	2.40	2.68	3.46	6.44
10	2.00	2.19	2.23	2.36	2.50	2.57	2.67	2.76	2.96	3.10	3.50	4.47	7.95
20	2.49	2.72	2.76	2.92	3.08	3.16	3.29	3.40	3.63	3.78	4.31	5.44	9.35
25	2.65	2.89	2.93	3.10	3.26	3.35	3.48	3.60	3.84	3.99	4.57	5.75	9.78
40	2.98	3.25	3.28	3.48	3.65	3.75	3.89	4.03	4.28	4.44	5.11	6.40	9.99
50	3.13	3.42	3.45	3.66	3.83	3.93	4.09	4.23	4.49	4.66	5.37	6.71	11.09
100	3.62	3.95	3.97	4.21	4.40	4.51	4.69	4.85	5.14	5.31	6.16	7.65	12.36
200	4.10	4.48	4.49	4.76	4.96	5.09	5.29	5.47	5.78	5.95	6.95	8.58	13.60
1000	5.23	5.71	5.70	6.04	6.26	6.43	6.68	6.91	7.26	7.44	8.77	10.71	16.38
10000	6.84	7.47	7.42	7.87	8.11	8.32	8.65	8.95	9.35	9.53	11.36	13.72	20.20
PMP	11.60	12.65	12.87	13.64	14.39	14.76	15.36	15.99	17.00	17.77	20.17	25.60	42.49

MEAN	1.092	1.192	1.212	1.285	1.356	1.392	1.447	1.497	1.602	1.674	1.900	2.411	4.557
CLOCK MR. COR.	1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.423	1.540	1.765	1.619	1.319	1.385	1.655	1.469	1.546	1.546	1.763	1.763	1.763
REGIONAL SKEW	2.000	2.000	1.900	1.800	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	13.537	12.860	14.752	12.402	9.744	9.343	6.785	6.221	5.521	4.999	5.156	4.162	3.593
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	3.050	3.270	3.730	3.910	3.910	3.910	3.910	3.920	3.980	3.960	4.680	5.200	10.440
NORMALIZED MAX	3.433	3.714	4.043	3.971	3.753	3.761	3.427	3.334	3.191	3.073	2.950	2.840	2.460
CALC. COEF. VAR	.522	.469	.514	.514	.502	.489	.497	.486	.465	.446	.436	.423	.323
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555

MEAN/A	.2397	.2616	.2661	.2820	.2975	.3055	.3176	.3284	.3515	.3673	.4170	.5292	1.0000
RP10/A	.4399	.4800	.4896	.5190	.5466	.5635	.5858	.6098	.6497	.6602	.7691	.9800	1.7442
RP25/A	.5867	.6337	.6424	.6810	.7158	.7350	.7641	.7901	.8424	.8766	1.0031	1.2628	2.1465
RP50/A	.6872	.7499	.7574	.8025	.8408	.8633	.8975	.9281	.9857	1.0216	1.1763	1.4720	2.4346
RP100/A	.7937	.8692	.8721	.9243	.9649	.9907	1.0300	1.0691	1.1275	1.1650	1.3522	1.6764	2.7131
RP1000/A	1.1476	1.2523	1.2511	1.3261	1.3736	1.4103	1.4662	1.5161	1.5923	1.6319	1.9248	2.3510	3.5936
RP10000/A	1.5014	1.6384	1.6286	1.7263	1.7767	1.8262	1.8966	1.9633	2.0509	2.0903	2.4928	3.0115	4.4326
PMP/A	2.5448	2.7770	2.8244	2.9938	3.1503	3.2427	3.3713	3.4961	3.7311	3.8990	4.4259	5.0172	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X15 924 0	STATION NAME BLTYME SDF	ELEV 267	SEC 32	TWP 06S	RNG LOT 23E	BWN S	LATITUDE 33.614	LONGITUDE 114.596	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	.98	1.06	1.10	1.11	1.17	1.19	1.21	1.25	1.35	1.42	1.51	1.76	3.36
5	1.69	1.83	1.90	1.92	2.01	2.06	2.08	2.16	2.32	2.44	2.59	3.02	5.26
10	2.23	2.41	2.50	2.53	2.62	2.69	2.72	2.82	3.01	3.15	3.39	3.90	6.51
20	2.77	3.00	3.09	3.12	3.23	3.31	3.35	3.47	3.69	3.84	4.17	4.75	7.85
25	2.95	3.18	3.26	3.31	3.42	3.50	3.55	3.68	3.90	4.06	4.42	5.02	8.01
50	3.31	3.58	3.67	3.72	3.83	3.92	3.97	4.12	4.35	4.51	4.94	5.59	8.18
50	3.31	3.58	3.67	3.72	3.83	3.92	3.97	4.12	4.35	4.51	4.94	5.59	8.18
100	4.03	4.35	4.45	4.50	4.61	4.72	4.78	4.96	5.22	5.39	5.96	6.66	10.12
200	4.57	4.93	5.03	5.09	5.20	5.33	5.40	5.60	5.87	6.05	6.72	7.49	11.14
1000	5.62	6.29	6.36	6.45	6.57	6.72	6.81	7.07	7.37	7.55	8.48	9.35	13.41
10000	6.52	8.23	8.30	8.40	8.55	8.71	8.82	9.15	9.50	9.68	10.98	11.98	16.54
PMP	12.91	13.95	14.40	14.37	15.10	15.46	15.66	16.25	17.28	18.05	19.50	22.35	34.80
MEAN	1.216	1.314	1.357	1.373	1.423	1.457	1.475	1.530	1.628	1.700	1.837	2.105	3.732
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.305	2.051	2.127	2.053	1.836	1.769	1.684	2.155	1.912	1.868	1.919	1.374	1.710
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.900	1.700	1.600	1.800	1.000	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.900	1.700	1.600	1.800	1.000	1.100
KURTOSIS	4.567	8.395	9.055	8.625	7.689	7.486	7.171	9.744	8.461	8.369	8.694	5.819	3.368
N	62	62	62	62	62	62	62	62	62	62	62	62	62
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	3.060	4.600	5.110	5.110	5.110	5.110	5.130	5.890	5.890	5.090	6.650	6.650	10.090
NORMALIZED MAX	2.403	3.730	3.967	3.969	3.901	3.871	3.890	4.159	3.931	3.861	4.131	3.610	3.132
CALC. COEF. VAR	.621	.627	.627	.627	.627	.627	.627	.627	.627	.627	.627	.627	.627
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.3260	.3521	.3635	.3678	.3812	.3903	.3952	.4101	.4362	.4556	.4922	.5642	1.0000
RP10/A	.5982	.6401	.6689	.6768	.7032	.7200	.7290	.7565	.8063	.8438	.9080	1.0448	1.7442
RP25/A	.7896	.8521	.8777	.8881	.9172	.9391	.9580	.9967	1.0452	1.0873	1.1843	1.3464	2.1485
RP50/A	.9345	1.0094	1.0348	1.0470	1.0773	1.1031	1.1168	1.1590	1.2232	1.2675	1.3910	1.5895	2.4366
RP100/A	1.0793	1.1650	1.1914	1.2055	1.2363	1.2659	1.2817	1.3301	1.3992	1.4451	1.5964	1.7895	2.7131
RP1000/A	1.5604	1.6855	1.7092	1.7294	1.7599	1.8020	1.8245	1.8933	1.9759	2.0243	2.2724	2.5066	3.5936
RP10000/A	2.0416	2.2573	2.2850	2.2513	2.2760	2.3336	2.3627	2.4518	2.5451	2.5930	2.9261	3.2109	4.4326
PMP/A	3.6633	3.9633	3.9633	3.9633	4.0633	4.1435	4.1952	4.4318	4.6301	4.8366	5.2261	5.9970	9.3550

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X15 927 0	STATION NAME BLTYME A P	ELEV 9	SEC 390	TWP 06S	RNG LOT 23E	BWN S	LATITUDE 33.617	LONGITUDE 114.717	COUNTY CODE 17				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	.91	.94	1.01	1.02	1.02	1.03	1.03	1.09	1.18	1.26	1.39	1.64	2.99
5	1.57	1.62	1.74	1.75	1.76	1.77	1.78	1.88	2.03	2.16	2.40	2.81	4.69
10	2.07	2.14	2.20	2.20	2.20	2.22	2.22	2.46	2.64	2.80	3.14	3.63	5.79
20	2.57	2.65	2.82	2.83	2.83	2.85	2.86	3.03	3.24	3.41	3.86	4.42	6.81
25	2.73	2.82	2.99	3.02	3.00	3.02	3.03	3.21	3.43	3.60	4.09	4.67	7.13
40	3.07	3.17	3.36	3.39	3.35	3.38	3.39	3.59	3.82	4.01	4.58	5.20	7.28
50	3.23	3.34	3.53	3.56	3.52	3.55	3.56	3.77	4.01	4.20	4.81	5.45	8.06
100	3.73	3.86	4.06	4.10	4.04	4.07	4.08	4.32	4.59	4.79	5.52	6.21	9.01
200	4.23	4.37	4.60	4.64	4.56	4.59	4.61	4.88	5.16	5.37	6.22	6.97	9.91
1000	5.39	5.57	5.83	5.88	5.75	5.80	5.81	6.16	6.48	6.71	7.85	8.70	11.93
10000	7.06	7.29	7.59	7.66	7.45	7.51	7.53	7.97	8.34	8.59	10.17	11.14	14.72
PMP	11.96	12.36	13.16	13.28	13.23	13.33	13.37	14.15	15.17	16.03	18.66	20.76	30.96
MEAN	1.127	1.165	1.240	1.251	1.246	1.256	1.259	1.333	1.429	1.510	1.701	1.958	3.320
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.080	1.454	2.051	2.139	2.126	2.111	2.059	2.964	2.502	2.374	2.424	1.969	1.300
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.000	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.900	1.700	1.600	1.800	1.000	1.100
KURTOSIS	6.370	5.385	0.775	9.373	9.351	9.324	6.000	14.050	11.022	10.312	9.696	7.840	4.744
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952
RECORD MAXIMUM	3.000	4.260	4.480	4.480	4.480	4.480	4.480	5.920	5.920	6.450	6.450	6.450	10.070
NORMALIZED MAX	2.677	2.701	3.673	3.659	3.909	3.907	3.838	4.455	4.153	4.062	3.701	3.440	3.089
CALC. COEF. VAR	.621	.584	.603	.609	.604	.607	.606	.772	.756	.716	.766	.697	.650
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.3395	.3508	.3734	.3769	.3753	.3783	.3794	.4016	.4306	.4547	.5124	.5998	1.0000
RP10/A	.6430	.6760	.7099	.7199	.7299	.7399	.7499	.7920	.8452	.8851	1.0222	1.1670	1.9250
RP25/A	.8223	.8696	.9015	.9099	.9209	.9302	.9377	.9662	1.0319	1.0547	1.2326	1.4075	2.1495
RP50/A	.9731	1.0055	1.0629	1.0726	1.0605	1.0691	1.0720	1.1349	1.2074	1.2650	1.4479	1.6406	2.4340
RP100/A	1.1239	1.1613	1.2237	1.2352	1.2171	1.2269	1.2303	1.3024	1.3812	1.4423	1.8017	1.8769	2.7131
RP1000/A	1.6250	1.6790	1.8577	1.8721	1.7321	1.7421	1.7513	1.8540	1.9504	2.0203	2.3654	2.6202	3.5936
RP10000/A	2.1280	2.1987	2.2954	2.3068	2.2435	2.2617	2.2670	2.4009	2.5122	2.5879	3.0031	3.3564	4.4326
PMP/A	3.6634	3.7233	3.9634	4.0004	3.9837	4.0159	4.0268	4.2631	4.5703	4.8270	5.4309	6.2605	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X17 2590 0	STATION NAME EAGLE MOUNTAIN PUMP	ELEV 973	SEC 30	TWP 045	RNG LOT 15E	BSN 5	LATITUDE 33.800	LONGITUDE 115.450	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.87	.93	.94	.93	.95	.98	.99	.94	1.09	1.15	1.18	1.34	2.32
5	1.51	1.61	1.62	1.61	1.64	1.69	1.71	1.61	1.88	1.97	2.03	2.29	3.64
10	1.99	2.13	2.13	2.12	2.14	2.20	2.23	2.11	2.44	2.55	2.65	2.95	4.49
20	2.47	2.64	2.63	2.62	2.64	2.71	2.75	2.59	2.99	3.11	3.26	3.60	5.28
25	2.63	2.81	2.79	2.78	2.80	2.87	2.91	2.75	3.16	3.29	3.45	3.81	5.53
40	2.95	3.15	3.13	3.12	3.13	3.21	3.26	3.07	3.52	3.66	3.86	4.24	5.65
50	3.11	3.32	3.29	3.28	3.29	3.37	3.42	3.23	3.70	3.83	4.06	4.44	6.27
100	3.59	3.83	3.79	3.77	3.77	3.87	3.93	3.70	4.23	4.37	4.66	5.06	6.99
200	4.07	4.35	4.29	4.27	4.25	4.37	4.43	4.18	4.76	4.90	5.25	5.68	7.69
1000	5.19	5.54	5.44	5.41	5.37	5.51	5.59	5.27	5.97	6.12	6.63	7.09	9.26
10000	6.79	7.25	7.08	7.05	6.95	7.14	7.24	6.83	7.69	7.84	8.58	9.08	11.42
PMP	11.52	12.29	12.28	12.22	12.34	12.67	12.85	12.12	13.99	14.63	15.24	16.94	24.01
MEAN	1.085	1.158	1.157	1.152	1.163	1.194	1.211	1.142	1.318	1.378	1.436	1.596	2.575
CLOCK NR. COR.	1.149	1.070	1.070	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.618	2.018	1.919	1.890	1.841	1.724	1.645	.33a	1.705	1.723	1.734	1.494	1.838
REGIONAL SKEW	2.000	2.000	1.980	1.960	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	12.652	8.787	8.382	8.350	8.296	7.808	7.532	2.596	7.830	7.600	7.773	6.076	3.499
N	30	30	30	30	30	30	30	29	30	30	30	30	30
RECORD YEAR	1972	1972	1972	1972	1972	1972	1972	1951	1972	1972	1972	1972	1972
RECORD MAXIMUM	4.000	4.000	4.000	4.000	4.000	4.020	4.020	4.030	2.330	4.450	4.700	4.910	6.400
NORMALIZED MAX	3.467	3.397	3.490	3.581	3.625	3.567	3.584	2.003	3.623	3.589	3.619	3.302	2.560
CALC. COEF. VAR	.775	.722	.704	.691	.678	.664	.650	.519	.656	.672	.666	.629	.580
REGD. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4213	.4497	.4493	.4472	.4515	.4636	.4701	.4435	.5119	.5351	.5575	.6196	1.0000
RP10/A	.7730	.8252	.8268	.8328	.8421	.8581	.8671	.8180	.9463	.9909	1.0281	1.1474	1.7442
RP25/A	1.0204	1.0893	1.0849	1.0797	1.0864	1.1131	1.1310	1.0669	1.2268	1.2769	1.3412	1.4786	2.4445
RP50/A	1.2076	1.2891	1.2791	1.2729	1.2760	1.3100	1.3284	1.2532	1.4355	1.4884	1.5753	1.7236	2.4346
RP100/A	1.3948	1.4889	1.4727	1.4655	1.4644	1.5036	1.5246	1.4382	1.6421	1.6971	1.8079	1.9652	2.7131
RP1000/A	2.6105	2.1526	2.1128	2.1026	2.0845	2.1400	2.1702	2.0472	2.3189	2.3772	2.5735	2.7927	3.5938
RP10000/A	2.6383	2.8103	2.7503	2.7370	2.6994	2.7713	2.8104	.6511	2.9869	3.0451	3.3327	3.5261	4.4326
PMP/A	4.4717	4.7734	4.7696	4.7466	4.7930	4.9207	4.9901	4.7074	5.4339	5.6798	5.9175	6.5770	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X18 3855 0	STATION NAME MAYFIELD PUMP	ELEV 175	SEC 1370	TWP 28	RNG LOT 055	BSN 13E	LATITUDE 33.700	LONGITUDE 115.633	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.77	.96	1.02	1.04	1.09	1.10	1.11	1.14	1.22	1.28	1.38	1.67	2.90
5	1.34	1.66	1.76	1.80	1.87	1.89	1.91	1.96	2.10	2.19	2.37	2.85	4.56
10	1.77	2.20	2.31	2.36	2.45	2.47	2.49	2.56	2.73	2.83	3.10	3.69	5.63
20	2.08	2.73	2.86	2.91	3.01	3.03	3.07	3.15	3.35	3.45	3.81	4.49	6.91
25	2.34	2.90	3.03	3.09	3.19	3.22	3.25	3.34	3.54	3.65	4.00	4.75	6.92
40	2.63	3.26	3.40	3.47	3.57	3.60	3.64	3.74	3.95	4.06	4.52	5.29	7.07
50	2.76	3.43	3.57	3.65	3.75	3.78	3.82	3.93	4.15	4.25	4.75	5.54	7.89
100	3.19	3.96	4.11	4.20	4.30	4.33	4.38	4.51	4.74	4.85	5.45	6.31	8.75
200	3.62	4.50	4.65	4.75	4.85	4.89	4.95	5.08	5.33	5.43	6.15	7.08	9.62
1000	4.62	5.73	5.95	6.02	6.12	6.17	6.24	6.41	6.70	6.79	7.76	8.84	11.59
10000	6.04	7.50	7.68	7.84	7.93	7.99	8.08	8.31	8.63	8.69	10.05	11.33	14.30
PMP	10.24	12.71	13.33	13.59	14.08	14.19	14.35	14.75	15.69	16.22	17.94	21.13	30.07
MEAN	.964	1.197	1.255	1.281	1.327	1.337	1.352	1.389	1.478	1.528	1.681	1.991	3.225
CLOCK NR. COR.	1.140	1.070	1.046	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.139	3.250	3.368	3.276	2.999	2.877	2.947	2.874	2.543	2.389	3.847	3.065	2.013
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	9.611	16.997	17.752	17.349	15.673	15.530	15.240	14.783	12.822	11.763	21.694	16.414	8.711
N	36	36	36	36	36	36	36	36	36	36	36	36	36
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940
RECORD MAXIMUM	3.050	5.550	5.950	5.950	5.950	5.950	5.970	5.970	5.970	5.970	8.800	8.800	11.290
NORMALIZED MAX	3.384	4.412	4.627	4.714	4.651	4.639	4.675	4.631	4.454	4.347	5.129	4.765	3.936
CALC. COEF. VAR	.639	.824	.808	.773	.749	.744	.731	.712	.682	.669	.821	.718	.635
REGD. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2991	.3712	.3893	.3971	.4113	.4145	.4192	.4308	.4584	.4737	.5211	.6173	1.0000
RP10/A	.5488	.6812	.7163	.7307	.7587	.7645	.7732	.7947	.8474	.8772	.9612	1.1432	1.7442
RP25/A	.7244	.8993	.9399	.9608	.9896	.9972	1.0085	1.0366	1.0968	1.1304	1.2937	1.4731	2.1465
RP50/A	.8573	1.0642	1.1081	1.1304	1.1524	1.1712	1.1845	1.2175	1.2555	1.2717	1.4721	1.7434	2.4346
RP100/A	.9902	1.2292	1.2643	1.2841	1.3040	1.3042	1.3594	1.3973	1.4706	1.5024	1.6899	1.9579	2.7131
RP1000/A	1.4316	1.7771	1.8034	1.8672	1.8989	1.9134	1.9351	1.9890	2.0767	2.1044	2.4056	2.7425	3.9938
RP10000/A	1.8730	2.3251	2.3827	2.4305	2.4590	2.4778	2.5059	2.5757	2.6749	2.6957	3.1192	3.5130	4.3226
PMP/A	3.1746	3.9408	4.1321	4.2152	4.3663	4.3966	4.4496	4.5734	4.8662	5.0282	5.9314	6.5526	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 489 0	STATION NAME BANNING	ELEV 2380	SEC 09	TWP 035	RNG LOT 01E 5	BWM 33-929	LATITUDE 116-876	LONGITUDE 33	COUNTY CODE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.07	2.66	2.93	3.16	3.37	3.51	3.82	4.08	4.56	4.96	5.67	7.76	14.77
5	3.58	4.61	5.06	5.46	5.80	6.06	6.59	7.04	7.83	8.49	9.77	13.29	23.20
10	4.73	6.08	6.64	7.16	7.57	7.91	8.61	9.19	10.18	10.97	12.76	17.18	28.62
20	5.67	7.56	8.21	8.86	9.32	9.73	10.59	11.31	12.47	13.37	15.70	20.94	33.66
25	6.24	8.03	8.71	9.40	9.88	10.32	11.23	11.99	13.20	14.13	16.64	22.13	35.22
40	7.52	9.93	9.77	10.54	11.01	11.54	12.56	13.41	14.72	15.72	18.62	24.63	39.99
50	9.58	9.50	10.27	11.40	11.40	12.12	13.18	13.18	15.47	16.47	19.55	25.80	39.99
100	8.53	10.98	11.82	12.78	13.32	13.91	15.13	16.16	17.66	18.78	22.44	29.42	44.52
200	9.68	12.45	13.37	14.43	15.02	15.69	17.07	18.23	19.67	21.07	25.31	33.00	48.97
1000	12.33	18.07	18.98	19.30	19.65	19.80	21.54	23.01	24.94	26.31	31.94	41.21	59.97
10000	16.14	20.76	22.08	23.82	24.55	25.64	27.90	29.82	32.13	33.70	41.36	52.78	72.73
PMP	27.35	35.19	38.28	41.32	43.58	45.52	49.54	52.91	58.45	62.86	73.44	96.46	153.01
MEAN	2.577	3.315	3.607	3.892	4.106	4.288	4.667	4.984	5.507	5.922	6.918	9.275	16.409
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.229	1.228	1.247	1.386	1.296	1.275	1.437	1.463	1.397	1.242	.959	1.142	.833
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	9.518	4.507	4.743	5.107	4.872	4.305	5.478	6.003	5.891	5.295	3.897	4.426	3.134
N	53	53	53	53	53	53	53	53	53	53	53	53	53
RECORD YEAR	1927	1927	1927	1927	1927	1927	1922	1922	1922	1922	1922	1969	1937
RECORD MAXIMUM	7.000	8.200	9.450	10.590	10.590	10.690	13.470	14.600	15.450	16.100	16.310	22.400	30.180
NORMALIZED MAX	3.466	3.684	3.786	3.920	3.805	3.687	3.983	3.761	3.728	3.453	3.089	3.042	2.459
CALC. COEF. VAR	.498	.484	.496	.518	.531	.517	.526	.510	.484	.475	.439	.465	.370
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USEO COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.1570	.2020	.2198	.2372	.2502	.2614	.2844	.3038	.3356	.3609	.4216	.5652	1.0000
RP10/A	.2882	.3707	.4044	.4385	.4616	.4821	.5246	.5503	.6203	.6684	.7777	1.0468	1.7442
RP25/A	.3864	.4894	.5307	.5628	.5868	.6082	.6508	.6765	.7465	.7946	.9039	1.1694	1.9458
RP50/A	.4502	.5791	.6257	.6573	.6771	.6959	.7385	.7638	.8338	.8819	1.0000	1.1914	1.5724
RP100/A	.5199	.6689	.7204	.7774	.8115	.8476	.9224	.9551	1.0765	1.1447	1.3673	1.7928	2.7131
RP1000/A	.7517	.9671	1.0335	1.1154	1.1552	1.2085	1.3130	1.3202	1.5202	1.6034	1.9483	2.5112	3.9938
RP10000/A	.9838	1.2652	1.3484	1.4519	1.4969	1.5824	1.7022	1.6958	1.8599	1.9239	2.5205	3.2168	4.4329
PMP/A	1.6670	2.1445	2.3332	2.5180	2.6562	2.7743	3.0190	3.2244	3.5623	3.8310	4.4754	6.0001	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
X19 1250 0	CARAZON	1815	16	035	02E	5	33.917	116.763	33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.69	2.09	2.29	2.46	2.68	2.78	2.97	3.17	3.45	3.75	4.44	6.08	10.51
5	2.93	3.61	3.96	4.24	4.61	4.78	5.13	5.47	5.93	6.41	7.65	10.42	16.50
10	3.86	4.77	5.20	5.57	6.03	6.25	6.69	7.14	7.70	8.29	9.99	13.46	20.38
20	4.79	5.92	6.42	6.89	7.42	7.69	8.24	8.78	9.43	10.10	12.29	16.41	23.95
25	5.10	6.29	6.82	7.31	7.86	8.15	8.73	9.31	9.98	10.68	13.03	17.35	25.08
40	5.73	7.08	7.64	8.20	8.79	9.11	9.77	10.41	11.13	11.88	14.57	19.30	25.61
50	6.04	7.45	8.04	8.62	9.23	9.57	10.26	10.94	11.68	12.45	15.30	20.22	28.42
100	6.96	8.60	9.25	9.93	10.60	10.98	11.77	12.55	13.36	14.19	17.56	23.05	31.68
200	7.90	9.76	10.47	11.23	11.95	12.39	13.28	14.16	15.03	15.92	19.81	25.88	34.84
1000	10.07	12.44	13.28	14.24	15.08	15.63	16.75	17.87	18.87	19.88	25.00	32.29	41.96
10000	13.17	16.27	17.28	18.54	19.53	20.24	21.69	23.14	24.30	25.46	32.37	41.37	51.75
PMP	22.33	27.58	29.97	32.15	34.68	35.95	38.52	41.08	44.21	47.50	57.48	77.16	108.67
MEAN	2.103	2.598	2.823	3.028	3.267	3.386	3.629	3.870	4.164	4.474	5.415	7.269	11.675
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.508	1.085	1.079	1.388	1.120	1.193	1.225	1.384	1.397	1.151	1.145	1.018	1.154
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	6.323	7.737	7.005	5.913	4.801	5.129	5.390	6.377	6.097	4.756	4.549	7.803	4.461
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1969	1969	1969
RECORD MAXIMUM	4.830	7.430	8.210	8.610	9.100	9.100	11.490	12.070	12.070	13.750	22.860	26.110	34.840
NORMALIZED MAX	2.631	3.113	3.188	3.136	2.868	3.033	3.103	3.313	3.136	2.862	2.641	3.177	2.826
CALC. COEF. VAR	.493	.597	.599	.588	.566	.565	.578	.594	.605	.593	.583	.602	.498
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USEO COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.1802	.2225	.2418	.2594	.2799	.2900	.3108	.3315	.3567	.3832	.4638	.6226	1.0000
RP10/A	.3306	.4403	.4450	.4773	.5162	.5350	.5733	.6114	.6594	.7097	.8555	1.1529	1.7442
RP25/A	.4384	.5930	.5939	.6263	.6733	.6978	.7478	.7975	.8548	.9146	1.1150	1.4857	2.1465
RP50/A	.5165	.6379	.6684	.7384	.7908	.8196	.8784	.9387	1.0003	1.0661	1.3106	1.7318	2.4346
RP100/A	.5965	.7367	.7926	.8601	.9077	.9406	1.0080	1.0750	1.1442	1.2156	1.5041	1.9746	2.7131
RP1000/A	.8624	1.0551	1.1371	1.2196	1.2919	1.3390	1.4349	1.5302	1.6196	1.7027	2.1411	2.7659	3.9938
RP10000/A	1.1284	1.3938	1.4802	1.5877	1.6730	1.7339	1.8982	1.9816	2.0813	2.1810	2.7726	3.5430	4.4326
PMP/A	1.9125	2.3820	2.5670	2.7534	2.9707	3.0788	3.2994	3.5186	3.7863	4.0682	4.9231	6.6006	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 1587 5	STATION NAME CATHEDRAL CITY SOF	ELEV 320	SEC 33	TWP 04S	RNG LOT 05E	BWM 5	LATITUDE 33.781	LONGITUDE 116.464	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.67	.97	.98	1.00	1.08	1.11	1.15	1.19	1.19	1.34	1.49	1.95	3.15
5	1.50	1.68	1.70	1.73	1.85	1.92	1.98	2.06	2.05	2.29	2.57	3.34	4.95
10	1.98	2.21	2.23	2.27	2.42	2.51	2.58	2.68	2.66	2.96	3.36	4.32	6.11
20	2.47	2.75	2.76	2.81	2.98	3.08	3.18	3.30	3.26	3.61	4.14	5.26	7.18
25	2.62	2.92	2.93	2.98	3.16	3.27	3.37	3.50	3.45	3.82	4.39	5.56	7.52
40	2.95	3.29	3.28	3.34	3.53	3.66	3.77	3.92	3.85	4.25	4.91	6.19	7.68
50	3.10	3.46	3.45	3.51	3.71	3.84	3.96	4.11	4.04	4.45	5.15	6.49	8.52
100	3.58	4.00	3.97	4.05	4.26	4.40	4.54	4.72	4.62	5.07	5.91	7.40	9.50
200	4.06	4.53	4.49	4.58	4.80	4.97	5.12	5.32	5.20	5.69	6.67	8.29	10.45
1000	5.18	5.78	5.70	5.80	6.06	6.27	6.46	6.72	6.53	7.10	8.42	10.36	12.58
10000	6.77	7.56	7.42	7.55	7.85	8.12	8.37	8.70	8.40	9.10	10.90	13.27	15.52
PMP	11.48	12.61	12.87	13.10	13.94	14.42	14.86	15.45	15.29	16.97	19.35	24.75	32.45
MEAN	1.082	1.207	1.212	1.234	1.313	1.358	1.400	1.455	1.440	1.599	1.823	2.332	3.502
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.397	.660	.526	.369	.392	.335	.761	.865	.659	.731	.823	.504	.504
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	5.356	3.312	2.992	2.825	2.713	2.814	3.742	4.341	3.493	3.454	3.394	3.498	2.413
RECORD YEAR	26	26	26	26	25	25	25	25	24	25	26	26	26
RECORD MAXIMUM	1968	1968	1968	1968	1974	1974	1966	1966	1968	1968	1966	1966	1966
NORMALIZED MAX	2.640	2.640	2.640	2.640	2.730	2.730	3.380	3.680	3.330	3.770	4.370	6.150	7.390
CALC. COEF. VAR	2.303	2.151	2.162	2.174	1.999	1.991	2.560	2.774	2.441	2.426	2.411	2.635	1.869
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.3089	.3447	.3461	.3525	.3750	.3879	.3997	.4156	.4114	.4566	.5207	.6659	1.0000
RP10/A	.5669	.6325	.6369	.6486	.6917	.7155	.7373	.7666	.7604	.8456	.9604	1.2331	1.7442
RP25/A	.7483	.8350	.8357	.8510	.9022	.9333	.9617	.9999	.9859	1.0896	1.2526	1.5890	2.1465
RP50/A	.8855	.9882	.9853	1.0034	1.0596	1.0962	1.1295	1.1744	1.1536	1.2701	1.4713	1.8523	2.4346
RP100/A	1.0228	1.1413	1.1344	1.1552	1.2161	1.2586	1.2943	1.3478	1.3196	1.4482	1.6885	2.1119	2.7131
RP1000/A	1.4787	1.6501	1.6276	1.6574	1.7311	1.7907	1.8452	1.9185	1.8635	2.0285	2.4036	2.9582	3.5938
RP10000/A	1.9347	2.1589	2.1186	2.1574	2.2417	2.3190	2.3896	2.4845	2.4003	2.5985	3.1126	3.7894	4.4326
PMP/A	3.2792	3.6592	3.6742	3.7415	3.9804	4.1176	4.2429	4.4115	4.3667	4.8468	5.5267	7.0681	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 2405 0	STATION NAME DESERT HOT SPRINGS		ELEV 1080	SEC 30	TWP 02S	RNG LOT 05E	BWM 5	LATITUDE 33.962	LONGITUDE 116.502	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.94	1.08	1.11	1.15	1.20	1.24	1.31	1.35	1.41	1.54	1.74	2.28	3.70
5	1.63	1.86	1.93	1.99	2.06	2.13	2.26	2.33	2.43	2.64	3.00	3.90	5.81
10	2.15	2.46	2.53	2.62	2.70	2.79	2.95	3.04	3.15	3.41	3.92	5.04	7.17
20	2.67	3.05	3.13	3.24	3.32	3.43	3.63	3.74	3.86	4.16	4.82	6.15	8.43
25	2.83	3.25	3.32	3.43	3.52	3.63	3.84	3.97	4.09	4.40	5.11	6.50	8.82
40	3.19	3.65	3.72	3.85	3.93	4.06	4.30	4.44	4.56	4.89	5.72	7.23	9.01
50	3.35	3.84	3.91	4.05	4.13	4.27	4.52	4.66	4.78	5.13	6.00	7.57	10.01
100	3.87	4.44	4.50	4.66	4.74	4.90	5.18	5.35	5.47	5.84	6.89	8.63	11.15
200	4.39	5.03	5.09	5.27	5.35	5.52	5.85	6.03	6.15	6.56	7.77	9.68	12.27
1000	5.60	6.41	6.46	6.69	6.75	6.97	7.38	7.61	7.73	8.19	9.81	12.09	14.77
10000	7.33	8.39	8.41	8.70	8.74	9.03	9.55	9.86	9.95	10.49	12.70	15.49	18.22
PMP	12.42	14.22	14.59	15.10	15.52	16.03	16.96	17.51	18.10	19.56	22.55	28.89	36.33
MEAN	1.170	1.340	1.374	1.422	1.462	1.510	1.598	1.649	1.705	1.843	2.124	2.722	4.110
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.072	.592	.366	1.003	.927	.757	1.031	1.160	1.004	.619	.733	1.503	.537
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	4.084	4.615	3.606	5.177	4.826	4.612	4.612	5.205	4.522	3.162	3.940	6.402	2.839
RECORD YEAR	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	1966	1958	1958	1974	1974	1974	1966	1966	1966	1966	1966	1966	1966
NORMALIZED MAX	2.090	2.530	2.570	3.200	3.200	3.200	3.560	4.040	4.040	4.040	4.790	7.450	8.330
CALC. COEF. VAR	1.885	2.264	2.248	2.823	2.721	2.731	2.795	2.801	2.795	2.801	2.819	3.210	2.567
REGN. COEF. VAR	.417	.392	.387	.426	.426	.426	.472	.490	.490	.497	.471	.540	.455
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.2846	.3260	.3343	.3460	.3557	.3674	.3888	.4013	.4149	.4483	.5168	.6623	1.0000
RP10/A	.5223	.5982	.6151	.6367	.6561	.6777	.7172	.7402	.7678	.8303	.9534	1.2264	1.7442
RP25/A	.6985	.7897	.8072	.8354	.8637	.8839	.9331	.9654	.9944	1.0899	1.2435	1.5805	2.1445
RP50/A	.8159	.9346	.9517	.9850	1.0051	1.0382	1.0988	1.1339	1.1636	1.2472	1.4605	1.8423	2.4346
RP100/A	.9424	1.0794	1.0957	1.1340	1.1534	1.1915	1.2510	1.3014	1.3310	1.4220	1.6562	2.1005	2.7131
RP1000/A	1.3625	1.5606	1.5719	1.6270	1.6419	1.6960	1.7950	1.8525	1.8797	1.9919	2.3860	2.9423	3.5938
RP10000/A	1.7826	2.0418	2.0462	2.1175	2.1362	2.1963	2.3245	2.3989	2.4211	2.5515	2.9898	3.7689	4.4326
PMP/A	3.0213	3.4608	3.4887	3.6729	3.7754	3.8990	4.1274	4.2595	4.4045	4.7592	5.4863	7.0300	9.3250

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS HALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE														
STATION NO. BSN ORDER SUB X19 4258 11	STATION NAME INDIO SFO	ELEV 8	SEC 26	TWP 05S	RNG LOT 07E	BWM 5	LATITUDE 33-71.3	LONGITUDE 116-22.3	COUNTY CODE 33					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	.66	.73	.70	.74	.75	.76	.80	.86	.90	.94	1.02	1.29	2.14	
5	1.15	1.26	1.21	1.27	1.30	1.31	1.38	1.48	1.54	1.61	1.76	2.21	3.36	
10	1.52	1.67	1.59	1.67	1.69	1.70	1.81	1.94	2.00	2.08	2.30	2.65	4.14	
20	1.88	2.07	1.97	2.07	2.08	2.10	2.22	2.38	2.45	2.54	2.83	3.48	4.07	
25	2.00	2.20	2.09	2.20	2.21	2.22	2.35	2.53	2.60	2.68	3.00	3.68	5.10	
40	2.25	2.47	2.34	2.46	2.47	2.49	2.63	2.83	2.90	2.99	3.35	4.09	5.21	
50	2.37	2.60	2.46	2.59	2.59	2.61	2.77	2.97	3.04	3.13	3.52	4.29	5.78	
100	2.73	3.01	2.93	2.98	2.98	3.00	3.17	3.41	3.47	3.57	4.04	4.89	6.44	
200	3.10	3.41	3.20	3.37	3.36	3.38	3.58	3.84	3.91	4.00	4.56	5.48	7.09	
1000	3.95	4.35	4.06	4.28	4.24	4.27	4.52	4.85	4.91	5.00	5.75	6.95	8.53	
10000	5.17	5.69	5.29	5.57	5.46	5.52	5.85	6.28	6.32	6.40	7.45	8.77	10.52	
PMP	8.77	9.64	9.17	9.65	9.74	9.81	10.39	11.15	11.50	11.94	13.22	16.36	22.14	
MEAN	.826	.909	.864	.909	.917	.924	.979	1.050	1.083	1.125	1.246	1.541	2.374	
CLOCK HR. COR.	1.119	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	.422	1.484	1.850	1.599	1.489	1.473	1.311	1.017	1.000	.861	.648	1.101	.309	
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.600	1.400	1.200	1.000	1.600	1.600	1.100	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.600	1.400	1.200	1.000	1.600	1.600	1.100	
KURTOSIS	2.648	7.057	9.108	6.445	6.072	6.038	5.169	3.679	3.705	3.200	2.990	4.363	2.668	
N	24	24	24	24	24	24	24	24	24	24	24	24	24	
RECORD YEAR	1974	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	
RECORD MAXIMUM	1.560	2.500	2.600	2.600	2.600	2.600	2.600	2.600	2.780	2.810	2.810	4.170	5.010	
NORMALIZED MAX	1.560	2.953	3.300	2.870	2.879	2.875	2.786	2.428	2.469	2.377	2.095	2.515	2.032	
CALC. COEF. VAR	.580	.593	.609	.643	.637	.631	.620	.643	.635	.630	.599	.678	.564	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	
MEAN/A	.3479	.3827	.3640	.3831	.3864	.3893	.4122	.4423	.4561	.4737	.5247	.6492	1.0000	
RP10/A	.6384	.7623	.6697	.7049	.7128	.7180	.7604	.8158	.8432	.8772	.9679	1.2022	1.7442	
RP25/A	.8428	.9270	.8788	.9249	.9297	.9365	.9918	1.0640	1.0931	1.1304	1.2625	1.5402	2.1405	
RP50/A	.9974	1.0971	1.0381	1.0905	1.0920	1.1000	1.1650	1.2498	1.2791	1.3176	1.4829	1.8058	2.4346	
RP100/A	1.1519	1.2671	1.1929	1.2555	1.2532	1.2824	1.3370	1.4343	1.4732	1.5024	1.7018	2.0590	2.7131	
RP1000/A	1.6855	1.8320	1.7114	1.8013	1.7839	1.7970	1.9031	2.0417	2.0662	2.1044	2.4225	2.8841	3.5938	
RP10000/A	2.1790	2.3988	2.2278	2.3448	2.3101	2.3270	2.4645	2.6439	2.6614	2.6957	3.1370	3.8944	4.4326	
PMP/A	3.6932	4.0624	3.8834	4.0684	4.1018	4.1319	4.3760	4.6946	4.8418	5.0281	5.5702	6.8910	9.3250	

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE														
STATION NO. BSN ORDER SUB X19 4259 0	STATION NAME INDIO	ELEV 8	SEC 26	TWP 05S	RNG LOT 07E	BWM 5	LATITUDE 33.713	LONGITUDE 116.224	COUNTY CODE 33					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	.90	1.01	1.03	1.03	1.05	1.07	1.12	1.15	1.21	1.29	1.39	1.66	2.01	
5	1.57	1.78	1.77	1.77	1.81	1.85	1.93	1.98	2.08	2.21	2.40	2.65	4.42	
10	2.07	2.31	2.34	2.33	2.30	2.41	2.52	2.58	2.71	2.86	3.13	3.48	5.45	
20	2.57	2.86	2.89	2.90	2.90	2.97	3.10	3.18	3.31	3.49	3.85	4.49	6.41	
25	2.73	3.04	3.07	3.06	3.08	3.14	3.29	3.37	3.51	3.69	4.08	4.74	6.71	
40	3.07	3.42	3.44	3.43	3.44	3.52	3.67	3.77	3.91	4.10	4.56	5.28	8.05	
50	3.23	3.60	3.62	3.60	3.62	3.69	3.86	3.96	4.11	4.30	4.79	5.53	7.61	
100	3.73	4.16	4.16	4.15	4.15	4.24	4.43	4.54	4.70	4.90	5.50	6.31	8.48	
200	4.23	4.72	4.71	4.69	4.68	4.78	5.00	5.12	5.28	5.50	6.20	7.07	9.32	
1000	5.39	6.02	5.97	5.95	5.91	6.03	6.36	6.46	6.63	6.87	7.83	8.93	11.23	
10000	7.06	7.87	7.77	7.75	7.65	7.81	8.16	8.37	8.54	8.80	10.14	11.31	13.85	
PMP	11.96	13.34	13.48	13.44	13.58	13.87	14.49	14.86	15.54	16.41	18.00	21.10	29.13	
MEAN	1.127	1.257	1.270	1.268	1.280	1.307	1.365	1.400	1.464	1.548	1.696	1.988	3.124	
CLOCK HR. COR.	1.140	1.070	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	3.449	2.805	2.595	2.513	2.446	2.306	2.109	2.008	1.898	2.114	2.535	1.740	1.096	
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.600	1.400	1.200	1.000	1.600	1.600	1.100	
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.600	1.400	1.200	1.000	1.600	1.600	1.100	
KURTOSIS	20.809	15.924	14.284	13.763	13.460	12.208	10.852	10.289	9.456	11.574	15.023	9.595	5.506	
N	73	73	73	73	73	73	73	73	73	73	72	73	77	
RECORD YEAR	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	
RECORD MAXIMUM	6.450	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.900	7.060	8.960	9.960	11.500	
NORMALIZED MAX	5.136	5.169	5.196	5.205	5.208	5.153	5.034	4.946	4.836	4.730	4.598	4.407	4.132	
CALC. COEF. VAR	.920	.850	.836	.827	.811	.813	.787	.776	.768	.770	.773	.716	.652	
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	
MEAN/A	.3606	.4022	.4065	.4053	.4095	.4102	.4371	.4481	.4606	.4947	.5428	.6363	1.0000	
RP10/A	.6617	.7381	.7479	.7458	.7554	.7714	.8002	.8285	.8662	.9162	1.0013	1.1764	1.7442	
RP25/A	.8734	.9748	.9814	.9786	.9815	.9893	1.0232	1.0581	1.0938	1.1306	1.2598	1.4442	2.1405	
RP50/A	1.0337	1.1531	1.1571	1.1530	1.1573	1.1616	1.2351	1.2662	1.3140	1.3782	1.5340	1.7701	2.4346	
RP100/A	1.1939	1.3318	1.3322	1.3204	1.3262	1.3503	1.4174	1.4561	1.5031	1.5692	1.7605	2.0183	2.7131	
RP1000/A	1.7261	1.9255	1.9113	1.9039	1.8966	1.9307	2.0176	2.0684	2.1227	2.1900	2.5080	2.8270	3.5938	
RP10000/A	2.5192	2.8100	2.8008	2.7853	2.7702	2.8120	2.9341	3.0311	3.0951	3.1852	3.6213	4.1320	5.2100	
PMP/A	3.8276	4.2699	4.3147	4.3025	4.3473	4.4394	4.6393	4.7581	4.9740	5.2516	5.7622	6.7547	9.3250	

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
X19 4782 11	LA QUINTA SOF	85	06	06S	16E	5	33.674	116.291	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.76	.80	.78	.87	.89	.90	.92	.97	1.00	1.05	1.12	1.36	2.30
5	1.31	1.38	1.35	1.50	1.54	1.56	1.59	1.67	1.72	1.79	1.93	2.33	3.61
10	1.73	1.82	1.78	1.98	2.01	2.04	2.08	2.18	2.23	2.31	2.53	3.01	4.45
20	2.14	2.26	2.20	2.43	2.48	2.51	2.56	2.69	2.73	2.82	3.11	3.67	5.24
25	2.26	2.40	2.33	2.58	2.62	2.66	2.71	2.85	2.89	2.98	3.29	3.88	5.48
40	2.59	2.70	2.62	2.89	2.93	2.97	3.03	3.19	3.23	3.32	3.68	4.32	5.60
70	2.70	2.85	2.75	3.08	3.11	3.15	3.23	3.41	3.45	3.54	3.97	4.53	6.22
100	3.11	3.29	3.17	3.50	3.54	3.58	3.65	3.84	3.87	3.96	4.44	5.16	6.93
200	3.53	3.73	3.58	3.96	3.99	4.04	4.12	4.33	4.36	4.44	5.01	5.79	7.62
1000	4.50	4.75	4.55	5.02	5.03	5.09	5.20	5.47	5.47	5.55	6.32	7.23	9.18
10000	5.89	6.22	5.92	6.53	6.52	6.60	6.73	7.08	7.01	7.11	8.18	9.26	11.32
PMP	9.98	10.54	10.26	11.33	11.57	11.72	11.96	12.57	12.82	13.26	14.53	17.27	23.82
MEAN	.941	.993	.967	1.067	1.090	1.104	1.126	1.185	1.207	1.249	1.369	1.627	2.554
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.330	1.013	1.723	1.754	1.652	1.653	1.436	1.126	1.073	1.081	.908	1.203	.994
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	4.483	3.796	7.141	6.112	5.941	5.962	5.038	4.084	3.659	3.555	3.392	4.514	2.689
N	22	22	21	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1968	1968	1968	1974	1974	1974	1974	1974	1974	1974	1974	1966	1966
RECORD MAXIMUM	1.980	1.990	2.450	2.820	2.840	2.840	2.840	2.840	2.840	2.840	2.840	4.270	4.550
NORMALIZED MAX	1.968	2.088	2.961	2.764	2.795	2.799	2.705	2.524	2.461	2.329	2.200	2.776	1.868
CALC. COEF. VAR	.563	.486	.515	.594	.574	.562	.554	.563	.547	.548	.548	.585	.418
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3602	.3887	.3785	.4179	.4269	.4321	.4410	.4638	.4727	.4891	.5360	.6371	1.0000
RP10/A	.6757	.7132	.6964	.7689	.7875	.7971	.8135	.8555	.8738	.9097	.9888	1.1799	1.7442
RP25/A	.8920	.9414	.9159	1.0690	1.0271	1.0396	1.0810	1.1158	1.1328	1.1671	1.2897	1.5805	2.1485
RP50/A	1.0550	1.1141	1.0774	1.1985	1.2084	1.2211	1.2662	1.3105	1.3255	1.3604	1.5148	1.7723	2.4436
RP100/A	1.2192	1.2888	1.2509	1.3696	1.3845	1.4014	1.4302	1.5041	1.5163	1.5512	1.7384	2.0208	2.7131
RP1000/A	1.7627	1.9605	1.7797	1.9649	1.9708	1.9948	2.0359	2.1410	2.1412	2.1727	2.4746	2.8306	3.5938
RP10000/A	2.3082	2.4941	2.3147	2.5578	2.5521	2.5820	2.6804	2.7726	2.7832	2.8266	3.2046	3.6588	4.5326
PMP/A	3.9088	4.1250	4.0177	4.4357	4.5315	4.5869	4.8813	4.9231	5.0175	5.1913	5.9000	6.7631	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
X19 5863 0	MORONGO VALLEY	2560	28	01S	04E	5	34.050	116.567	36

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.82	2.08	2.17	2.26	2.33	2.46	2.70	2.77	2.92	3.12	3.56	4.50	7.26
5	3.15	3.80	3.75	3.91	4.01	4.24	4.65	4.77	5.02	5.34	6.14	7.70	11.41
10	4.16	4.75	4.93	5.13	5.24	5.84	6.07	6.23	6.52	6.90	8.02	9.95	14.07
20	5.16	5.90	6.09	6.34	6.45	6.82	7.47	7.67	7.99	8.41	9.87	12.13	16.55
25	5.49	6.27	6.47	6.73	6.83	7.22	7.92	8.13	8.46	8.89	10.46	12.82	17.32
40	6.17	7.04	7.25	7.55	7.64	8.08	8.85	9.09	9.44	9.89	11.70	14.27	17.69
50	6.49	7.41	7.63	7.93	8.02	8.49	9.30	9.54	9.90	10.36	12.29	14.95	19.64
100	7.50	8.56	8.78	9.13	9.21	9.74	10.67	10.95	11.32	11.82	14.11	17.04	21.89
200	8.50	9.71	9.93	10.33	10.39	10.98	12.04	12.36	12.74	13.25	15.91	19.12	24.08
1000	10.04	12.38	12.60	13.10	13.11	13.86	15.19	15.59	15.99	16.55	20.08	23.87	28.99
10000	14.18	16.20	16.40	17.06	16.97	17.95	19.67	20.19	20.59	21.20	26.00	30.58	35.76
PMP	24.04	27.46	28.43	29.58	30.14	31.87	34.93	35.65	37.47	39.54	46.17	57.03	75.23
MEAN	2.265	2.587	2.679	2.787	2.839	3.003	3.290	3.377	3.530	3.725	4.350	5.373	8.068
RP10/A	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.354	1.862	1.594	1.341	1.440	1.615	1.746	1.680	1.830	1.762	1.607	1.740	1.215
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	9.889	6.473	5.508	4.333	4.873	5.631	5.982	6.287	6.475	5.943	5.721	6.014	4.721
N	23	23	23	23	23	23	23	23	23	23	23	23	23
RECORD YEAR	1966	1966	1966	1966	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.310	7.430	7.730	7.430	8.220	9.290	10.510	11.230	12.050	13.110	16.340	20.730	
NORMALIZED MAX	7.730	7.430	7.730	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	
CALC. COEF. VAR	.750	.720	.694	.692	.727	.731	.767	.765	.767	.777	.716	.756	.556
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2807	.3206	.3320	.3454	.3519	.3722	.4078	.4186	.4375	.4617	.5391	.6660	1.0000
RP10/A	.5151	.5889	.6109	.6350	.6490	.6885	.7532	.7687	.8051	.8519	.9948	1.2742	1.7442
RP25/A	.6709	.7760	.8030	.8467	.8695	.9012	1.0072	1.0485	1.1019	1.2071	1.5973	2.1465	
RP50/A	.8047	.9191	.9451	.9833	.9945	1.0518	1.1830	1.2268	1.2844	1.3523	1.8526	2.4346	
RP100/A	.9294	1.0615	1.0882	1.1321	1.1414	1.2070	1.3227	1.3576	1.4034	1.4645	1.7488	2.1233	2.7131
RP1000/A	1.3437	1.5377	1.5612	1.6242	1.6247	1.7182	1.8628	1.9356	1.9818	2.0514	2.4888	2.9588	3.5938
RP10000/A	1.7580	2.0079	2.0323	2.1143	2.1040	2.2250	2.4382	2.5026	2.5927	2.6277	3.2230	3.7901	4.4326
PMP/A	2.9796	3.4633	3.5244	3.6667	3.7359	3.9508	4.3293	4.4437	4.6439	4.9013	5.7228	7.0694	9.3250

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 6633 1		STATION NAME PALM DESERT SDF	ELEV 275	SEC 19	TWP 05S	RNG LOT 06E	BMW 5	LATITUDE 33.719	LONGITUDE 116.393	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.76	.82	.84	.87	.90	.91	.95	1.00	1.05	1.14	1.22	1.55	2.67
5	1.32	1.43	1.46	1.50	1.54	1.57	1.63	1.73	1.81	1.95	2.11	2.68	4.19
10	1.74	1.88	1.91	1.96	2.02	2.05	2.14	2.26	2.35	2.52	2.75	3.43	5.17
20	2.16	2.34	2.36	2.43	2.48	2.53	2.63	2.78	2.88	3.08	3.39	4.18	6.08
25	2.29	2.48	2.51	2.58	2.63	2.68	2.78	2.95	3.05	3.25	3.59	4.42	6.36
40	2.58	2.79	2.81	2.89	2.94	3.00	3.11	3.30	3.40	3.62	4.01	4.92	6.50
50	2.71	2.94	2.96	3.04	3.09	3.15	3.27	3.46	3.56	3.79	4.21	5.15	7.21
100	3.13	3.40	3.40	3.50	3.55	3.61	3.75	3.98	4.08	4.32	4.84	5.88	8.04
200	3.55	3.85	3.85	3.96	4.00	4.07	4.23	4.49	4.59	4.85	5.45	6.59	8.84
1000	4.53	4.91	4.88	5.02	5.05	5.14	5.34	5.66	5.76	6.08	6.88	8.23	10.65
10000	5.92	6.42	6.36	6.53	6.54	6.66	6.92	7.33	7.42	7.76	8.92	10.54	13.17
PMP	10.04	10.89	11.02	11.33	11.61	11.82	12.29	13.02	13.49	14.47	15.83	19.67	27.62
MEAN													
CLOCK HR. COR.	.946	1.026	1.038	1.067	1.093	1.114	1.157	1.228	1.271	1.363	1.491	1.853	2.962
CLOCKED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	.870	.458	.262	.415	.383	.391	1.024	1.162	1.022	1.093	.941	1.339	.914
REGIONAL SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.800
KURTOSIS													
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1952	1952	1952	1974	1952	1952	1966	1966	1966	1966	1966	1966	1952
RECORD MAXIMUM	2.000	2.000	2.000	2.240	2.250	2.250	3.070	3.350	3.360	3.360	3.830	5.390	7.250
NORMALIZED MAX	1.608	1.785	1.814	2.000	1.920	1.930	2.764	2.908	2.828	2.728	2.938	3.010	2.800
CALC. COEF. VAR	.617	.532	.511	.545	.551	.526	.591	.596	.582	.564	.594	.634	.557
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A													
RP10/A	.3193	.3463	.3505	.3603	.3691	.3759	.3908	.4140	.4290	.4601	.5034	.6255	1.0000
RP15/A	.5859	.6355	.6450	.6629	.6808	.6934	.7208	.7636	.7931	.8521	.9288	1.1584	1.7442
RP25/A	.7734	.8389	.8463	.8680	.8860	.9040	.9460	1.0080	1.0282	1.0981	1.2113	1.4928	2.1465
RP50/A	.9152	.9928	.9978	1.0258	1.0430	1.0623	1.1043	1.1699	1.2031	1.2799	1.4227	1.7401	2.4344
RP100/A	1.0571	1.1467	1.1488	1.1808	1.1970	1.2192	1.2673	1.3428	1.3763	1.4594	1.6327	1.9841	2.7131
RP1000/A	1.5283	1.6578	1.6482	1.6941	1.7040	1.7354	1.8040	1.9111	1.9435	2.0442	2.3261	2.7793	3.9938
RP10000/A	1.9986	2.1876	2.1455	2.2052	2.2086	2.2474	2.3361	2.4749	2.5034	2.6185	3.0097	3.5599	4.4326
PMP/A	3.3891	3.6763	3.7208	3.8244	3.9181	3.9905	4.1480	4.3944	4.5842	4.8842	5.3441	6.8402	9.3259

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 6635 0	STATION NAME PALM SPRINGS FIRE DEPT	ELEV 41	SEC 13	TWP 04S	RNG LOT 04E	8WM 5	LATITUDE 33.816	LONGITUDE 116.526	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.30	1.49	1.55	1.60	1.67	1.73	1.83	1.93	2.08	2.17	2.31	2.96	5.23
5	2.25	2.58	2.67	2.76	2.88	2.99	3.15	3.33	3.53	3.72	3.98	5.07	8.21
10	2.96	3.40	3.51	3.62	3.76	3.90	4.11	4.34	4.59	4.81	5.20	6.55	10.13
20	3.68	4.22	4.34	4.47	4.63	4.80	5.06	5.35	5.63	5.86	6.40	7.99	11.91
25	3.91	4.49	4.60	4.75	4.91	5.08	5.38	5.67	5.95	6.20	6.78	8.44	12.47
40	4.40	5.05	5.16	5.32	5.49	5.69	6.00	6.34	6.64	6.90	7.59	9.39	12.74
50	4.63	5.31	5.43	5.60	5.77	5.97	6.30	6.66	6.97	7.22	7.97	9.84	14.14
100	5.35	6.13	6.25	6.44	6.62	6.86	7.23	7.64	7.97	8.24	9.14	11.22	15.76
200	6.07	6.96	7.07	7.29	7.48	7.73	8.16	8.62	8.96	9.24	10.31	12.59	17.34
1000	7.73	8.87	8.96	9.25	9.42	9.76	10.29	10.87	11.25	11.54	13.01	15.72	20.88
10000	10.12	11.60	11.67	12.04	12.20	12.64	13.33	14.08	14.50	14.78	16.85	20.13	25.75
PMP	17.15	19.67	20.24	20.87	21.66	22.44	23.66	25.00	26.37	27.57	29.92	37.55	54.17
MEAN													
CLOCK HR. COR.	1.616	1.853	1.906	1.966	2.040	2.114	2.229	2.355	2.484	2.597	2.819	3.538	5.809
CLOCKED SKEW	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.798	2.032	1.841	1.599	1.428	1.796	1.629	1.768	1.632	1.540	1.386	1.386	1.105
REGIONAL SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100
KURTOSIS													
N	46	47	47	47	47	47	47	47	47	47	47	47	63
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1927
RECORD MAXIMUM	4.750	6.500	6.500	6.500	6.500	7.570	7.570	8.430	8.510	8.520	8.520	11.220	17.880
NORMALIZED MAX	2.796	3.643	3.683	3.656	3.590	4.020	3.711	3.755	3.580	3.367	3.160	3.454	3.532
CALC. COEF. VAR	.654	.689	.654	.631	.609	.642	.646	.687	.678	.673	.640	.629	.579
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A													
RP10/A	.2781	.3190	.3282	.3385	.3513	.3640	.3838	.4055	.4277	.4471	.4853	.6090	1.0000
RP15/A	.5103	.5853	.6038	.6229	.6479	.6714	.7079	.7479	.7906	.8280	.8951	1.1279	1.7442
RP25/A	.6737	.7727	.7924	.8174	.8431	.8757	.9234	.9755	1.0250	1.0740	1.1675	1.4534	2.1465
RP50/A	.7973	.9144	.9342	.9637	.9926	1.0286	1.0845	1.1458	1.1994	1.2438	1.3713	1.6942	2.4344
RP100/A	.9268	1.0581	1.0758	1.1059	1.1392	1.1804	1.2446	1.3150	1.3720	1.4191	1.5738	1.9317	2.7131
RP1000/A	1.3131	1.5248	1.5431	1.5718	1.6216	1.6803	1.7717	1.8718	1.9375	1.9864	2.2403	2.7058	3.9938
RP10000/A	1.7418	1.9977	2.0087	2.0720	2.0999	2.1780	2.2943	2.4240	2.4956	2.5445	2.9011	3.4660	4.4326
PMP/A	2.9523	3.3860	3.4835	3.5934	3.7286	3.8637	4.0739	4.3040	4.5400	4.7461	5.1512	6.6450	9.3259

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 6635 50	STATION NAME PALM SPRINGS FO NO 1	ELEV 411	SEC 15	TWP 04S	RNG LOT 04E	BWN 5	LATITUDE 33.926	LONGITUDE 116.545	COUNTY 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.33	1.53	1.58	1.74	1.81	1.99	1.95	2.00	2.11	2.27	2.44	3.07	5.11
5	2.31	2.64	2.73	3.01	3.12	3.26	3.36	3.45	3.62	3.88	4.20	5.26	8.03
10	3.05	3.49	3.59	3.95	4.07	4.26	4.39	4.51	4.71	5.01	5.48	6.80	9.91
20	3.78	4.33	4.43	4.88	5.01	5.24	5.41	5.54	5.76	6.11	6.75	8.29	11.65
25	4.02	4.61	4.71	5.18	5.31	5.55	5.73	5.88	6.10	6.46	7.15	8.77	12.19
40	4.52	5.18	5.28	5.81	5.94	6.21	6.41	6.57	6.81	7.19	8.00	9.75	12.46
50	4.76	5.45	5.55	6.11	6.24	6.52	6.73	6.90	7.14	7.53	8.40	10.22	13.83
100	5.50	6.29	6.39	7.03	7.16	7.48	7.72	7.92	8.17	8.59	9.64	11.65	15.41
200	6.23	7.14	7.23	7.95	8.08	8.44	8.71	8.93	9.19	9.63	10.87	13.07	16.95
1000	7.95	9.10	9.17	10.09	10.19	10.65	10.99	11.28	11.53	12.03	13.72	16.32	20.41
10000	10.40	11.91	11.93	13.13	13.20	13.79	14.24	14.60	15.45	16.40	17.77	20.90	25.18
PMP	17.62	20.18	20.69	22.78	23.44	24.49	25.28	25.93	27.02	28.73	31.55	38.99	52.97
MEAN	1.660	1.901	1.949	2.146	2.208	2.307	2.392	2.442	2.546	2.707	2.972	3.673	5.680
CLOCK HR. COR.	1.140	1.070	1.050	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.366	1.255	1.235	1.200	1.192	1.161	1.163	1.165	1.155	1.098	1.099	1.099	1.099
REGIONAL SKEW	2.000	2.000	2.000	2.000	2.000	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.600
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.600	1.600	1.600	1.600	1.600
KURTOSIS	4.952	4.019	5.070	5.245	5.044	5.290	4.350	4.203	3.889	3.437	3.166	3.242	3.048
N	38	38	38	38	38	38	38	38	38	38	38	38	38
RECORD YEAR	1938	1943	1943	1938	1938	1938	1938	1938	1938	1938	1938	1943	1937
RECORD MAXIMUM	4.580	4.850	5.730	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700
NORMALIZED MAX	2.621	2.356	2.933	3.093	3.090	2.878	2.899	2.635	2.592	2.401	2.439	2.416	2.568
CALC. COEF. VAR	.671	.658	.661	.686	.658	.661	.673	.669	.695	.659	.636	.645	.541
REGR. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.2923	.3347	.3432	.3778	.3888	.4062	.4193	.4300	.4482	.4766	.5232	.6466	1.0000
RP10/A	.5363	.6142	.6314	.6951	.7171	.7493	.7734	.7932	.8285	.8825	.9631	1.1975	1.7442
RP25/A	.7080	.8108	.8296	.9121	.9353	.9772	1.0385	1.0741	1.1373	1.2588	1.5432	2.1465	3.4465
RP50/A	.8379	.9595	.9769	1.0754	1.0986	1.1479	1.1849	1.2151	1.2569	1.3257	1.4785	1.7988	2.4346
RP100/A	.9677	1.1082	1.1247	1.2391	1.2608	1.3174	1.3598	1.3945	1.4378	1.5115	1.6968	2.0510	2.7131
RP1000/A	1.3591	1.6623	1.6136	1.7763	1.7947	1.8753	1.9356	1.9851	2.0364	2.1172	2.4154	2.8728	3.9338
RP10000/A	1.8306	2.4963	2.4063	2.7123	2.7241	2.8295	2.9066	2.9576	3.0152	3.1211	3.4279	3.8800	4.4326
PMP/A	3.1026	3.5531	3.6427	4.0101	4.1267	4.3120	4.4508	4.5644	4.7577	5.0386	5.5533	6.8640	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 7279 0	STATION NAME RAYMOND FLAT	ELEV 7070	SEC 31	TWP 02E	RNG LOT 02E	BWN 5	LATITUDE 34.047	LONGITUDE 116.823	COUNTY 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.18	5.31	5.86	6.46	6.74	6.96	7.56	8.20	9.06	9.88	10.81	15.44	29.35
5	7.24	9.18	10.13	11.16	11.61	12.00	13.03	14.14	15.57	16.91	18.63	26.43	46.09
10	9.55	12.12	13.30	14.65	15.16	15.67	17.02	18.46	20.23	21.66	24.33	34.15	56.86
20	11.86	15.05	16.44	18.11	18.66	19.29	20.94	22.72	24.78	26.65	29.95	41.64	66.87
25	12.61	16.00	17.45	19.22	19.77	20.44	22.20	24.08	26.23	28.17	31.74	44.01	69.97
40	14.17	17.99	19.57	21.56	22.12	22.86	24.83	26.93	29.26	31.34	35.50	48.97	71.50
50	14.92	18.93	20.57	22.66	23.22	24.01	26.07	28.28	30.69	32.64	37.28	51.30	76.37
100	17.23	21.87	23.68	26.09	26.65	27.55	29.92	32.46	35.10	37.44	42.78	58.49	86.44
200	19.54	24.80	26.79	29.52	30.07	31.08	33.75	36.61	39.49	42.00	48.26	65.61	97.29
1000	24.91	31.62	33.98	37.44	37.94	39.22	42.59	46.20	49.57	52.44	60.90	81.93	117.15
10000	35.29	41.36	44.23	48.73	49.13	50.79	55.16	59.83	63.85	67.18	78.87	104.95	144.50
PMP	55.25	70.11	76.70	84.51	87.24	90.19	97.93	106.24	116.16	125.31	146.04	195.76	300.93
MEAN	5.205	6.605	7.226	7.962	8.219	8.496	9.226	10.008	10.943	11.865	13.193	18.442	32.599
CLOCK HR. COR.	1.340	1.270	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.868	1.888	2.008	2.280	2.214	2.212	2.110	1.803	1.816	1.449	1.315	1.252	1.177
REGIONAL SKEW	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
SKEW USED	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
KURTOSIS	6.833	6.758	7.612	9.029	8.929	9.191	8.074	6.734	6.798	5.160	5.079	4.301	3.923
N	28	28	28	28	28	28	28	28	28	28	28	28	28
RECORD YEAR	1936	1966	1938	1938	1938	1936	1966	1966	1938	1938	1938	1938	1966
RECORD MAXIMUM	13.500	16.500	16.850	22.650	23.700	24.200	24.240	26.900	29.570	29.570	31.130	41.010	74.540
NORMALIZED MAX	2.667	2.742	3.082	3.391	3.477	3.598	3.095	3.070	2.758	2.758	2.751	2.425	2.820
CALC. COEF. VAR	.598	.546	.522	.551	.542	.524	.532	.545	.554	.540	.494	.505	.456
REGR. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.1397	.2026	.2217	.2442	.2521	.2606	.2830	.3070	.3357	.3621	.4047	.5057	1.0000
RP10/A	.2930	.3718	.4079	.4494	.4650	.4807	.5220	.5603	.6205	.6766	.7465	.9477	1.7442
RP25/A	.4367	.4908	.5352	.5997	.6065	.6270	.6809	.7398	.8045	.8642	.9736	1.3501	2.1465
RP50/A	.4577	.5608	.6310	.6952	.7124	.7365	.7998	.8676	.9413	1.0073	1.1436	1.5737	2.4346
RP100/A	.5266	.6708	.7285	.8005	.8176	.8492	.9178	.9956	1.0768	1.1485	1.3424	1.7943	2.7131
RP1000/A	.7462	.9688	1.0422	1.1486	1.1638	1.2032	1.3065	1.4173	1.5207	1.6088	1.8882	2.5133	3.9338
RP10000/A	.9999	1.2608	1.3567	1.4949	1.5071	1.5581	1.6919	1.8353	1.9587	2.0608	2.4193	3.2195	4.4326
PMP/A	1.6947	2.1505	2.3529	2.5925	2.6761	2.7666	3.0042	3.2589	3.5333	3.8438	4.2957	6.0091	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X19 8317 0	STATION NAME SNOW CREEK UPPER	ELEV 1940	SEC 33	TWP 035	RNG LOT 03E	BWM S	LATITUDE 33-067	LONGITUDE 116-063	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.00	2.33	2.47	2.66	2.80	2.83	2.95	3.08	3.36	3.56	4.09	5.40	10.15
5	3.47	4.03	4.26	4.59	4.83	4.87	5.09	5.30	5.77	6.10	7.04	9.25	15.94
10	4.58	5.31	5.59	6.03	6.30	6.36	6.64	6.92	7.50	7.69	9.20	11.95	19.66
20	5.69	6.60	6.92	7.45	7.76	7.83	8.17	8.52	9.19	9.62	11.32	14.57	23.12
25	6.04	7.01	7.34	7.91	8.22	8.30	8.66	9.03	9.72	10.16	12.00	15.41	24.20
40	6.79	7.89	8.23	8.87	9.19	9.28	9.69	10.10	10.85	11.31	13.42	17.14	24.72
50	7.18	8.36	8.65	9.33	9.65	9.75	10.19	10.61	11.38	11.83	14.09	17.96	27.44
100	8.26	9.59	9.96	10.74	11.08	11.19	11.66	12.17	13.02	13.51	16.17	20.47	30.50
200	9.37	10.87	11.27	12.15	12.50	12.62	13.17	13.73	14.64	15.15	18.24	22.97	33.84
1000	11.94	13.86	14.30	15.41	15.77	15.92	16.62	17.33	18.38	19.02	23.05	28.66	40.51
10000	15.82	18.13	18.61	20.06	20.43	20.62	21.52	22.44	23.67	24.21	29.81	36.74	49.97
PMP	26.48	30.73	32.27	34.78	36.27	36.61	38.22	39.84	43.07	45.21	52.93	68.52	105.11
MEAN	2.495	2.895	3.040	3.277	3.417	3.449	3.600	3.753	4.057	4.259	4.987	6.455	11.272
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.990	2.014	1.900	1.665	1.560	1.496	2.170	2.376	2.045	1.946	1.621	1.509	1.040
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100
KURTOSIS	14.209	7.432	6.603	5.938	5.672	7.379	9.162	10.487	6.562	6.001	6.466	6.166	4.073
N	26	26	26	26	25	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1966	1969
RECORD MAXIMUM	9.500	9.700	9.700	10.590	10.590	11.950	13.640	14.530	14.710	14.710	15.630	19.610	27.400
NORMALIZED MAX	3.481	2.971	2.957	3.006	2.977	3.325	3.828	3.773	3.521	3.461	3.228	3.164	2.578
CALC. COEF. VAR	.814	.791	.741	.745	.741	.769	.761	.748	.709	.661	.640	.644	.558
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2213	.2568	.2697	.2907	.3031	.3060	.3194	.3329	.3599	.3776	.4424	.5727	1.0000
RP10/A	.4061	.4713	.4963	.5349	.5591	.5644	.5892	.6141	.6654	.6997	.8160	1.0005	1.7442
RP25/A	.5361	.6221	.6512	.7018	.7362	.7382	.7686	.8010	.8626	.9016	1.0643	1.3667	2.1465
RP50/A	.6345	.7363	.7676	.8274	.8565	.8647	.9026	.9409	1.0093	1.0510	1.2501	1.5930	2.4346
RP100/A	.7328	.8504	.8840	.9527	.9830	.9923	1.0358	1.0798	1.1546	1.1963	1.4346	1.8164	2.7131
RP1000/A	1.0595	1.2295	1.2683	1.3668	1.3992	1.4126	1.4745	1.5370	1.6305	1.6785	2.0422	2.5442	3.9938
RP10000/A	1.3861	1.6085	1.6509	1.7792	1.8120	1.8292	1.9084	1.9964	2.1002	2.1501	2.6446	3.2591	4.4326
PMP/A	2.3494	2.7204	2.8931	3.0855	3.2174	3.2480	3.3964	3.5382	3.8207	4.0105	4.6958	6.0790	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB A19 0892 0	STATION NAME THERMAL A P	ELEV 135	SEC 120	TWP 21	RNG LOT 08E	BWM M	LATITUDE 33.034	LONGITUDE 116.162	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.68	.73	.74	.76	.78	.80	.81	.84	.86	.93	1.02	1.28	2.03
5	1.17	1.26	1.28	1.31	1.34	1.37	1.39	1.45	1.47	1.60	1.76	2.20	3.16
10	1.34	1.46	1.48	1.52	1.55	1.59	1.62	1.69	1.71	2.07	2.29	2.84	3.93
20	1.92	2.06	2.08	2.12	2.16	2.20	2.24	2.33	2.34	2.52	2.82	3.46	4.62
25	2.04	2.19	2.20	2.25	2.29	2.34	2.37	2.44	2.46	2.66	2.99	3.66	4.83
40	2.29	2.47	2.47	2.52	2.56	2.61	2.66	2.76	2.77	2.99	3.35	4.07	4.94
50	2.41	2.60	2.60	2.65	2.69	2.74	2.79	2.89	2.90	3.10	3.51	4.27	5.48
100	2.79	3.00	2.99	3.05	3.08	3.15	3.20	3.32	3.32	3.54	4.03	4.86	6.11
200	3.10	3.40	3.38	3.46	3.48	3.58	3.61	3.75	3.73	3.97	4.55	5.46	6.72
1000	4.03	4.33	4.29	4.38	4.39	4.46	4.55	4.73	4.69	4.96	5.74	6.81	8.09
10000	5.27	5.67	5.59	5.71	5.68	5.80	5.90	6.12	6.04	6.35	7.44	8.73	9.96
PMP	8.93	9.61	9.69	9.89	10.09	10.30	10.47	10.87	10.84	11.64	13.20	16.28	20.99
MEAN	.841	.905	.913	.932	.951	.971	.987	1.024	1.035	1.116	1.244	1.534	2.250
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.840	.710	.656	1.123	1.220	1.127	1.091	.895	.809	.504	.367	.660	.174
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.800	1.100
KURTOSIS	2.508	2.725	2.650	4.257	4.958	4.703	4.598	3.644	3.493	2.623	2.539	2.587	2.048
N	21	21	21	21	21	21	21	21	21	21	21	21	21
RECORD YEAR	1974	1974	1952	1974	1974	1974	1974	1974	1974	1974	1966	1966	1952
RECORD MAXIMUM	1.461	1.610	1.710	2.210	2.360	2.360	2.360	2.360	2.360	2.360	2.430	2.430	4.000
NORMALIZED MAX	1.518	1.598	1.786	2.548	2.754	2.701	2.720	2.515	2.470	2.145	1.878	2.090	1.697
CALC. COEF. VAR	.484	.487	.489	.538	.538	.530	.512	.519	.519	.520	.508	.592	.458
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.3739	.4023	.4056	.4142	.4225	.4313	.4384	.4451	.4598	.4758	.5527	.6815	1.0000
RP10/A	.6861	.7383	.7463	.7621	.7783	.7955	.8087	.8395	.8699	.9161	1.0195	1.2621	1.7442
RP25/A	.9057	.9746	.9792	1.0000	1.0165	1.0376	1.0546	1.0950	1.1019	1.1831	1.3297	1.6265	2.1465
RP50/A	1.0718	1.1533	1.1545	1.1790	1.1940	1.2187	1.2389	1.2662	1.2694	1.3791	1.5618	1.8959	2.4346
RP100/A	1.2379	1.3321	1.3292	1.3574	1.3762	1.3966	1.4219	1.4761	1.4750	1.5724	1.7924	2.1617	2.7131
RP1000/A	1.7698	1.9259	1.9070	1.9475	1.9658	1.9809	2.0240	2.1101	2.0919	2.2028	2.5515	3.0279	3.5936
RP10000/A	2.3410	2.5197	2.4824	2.5351	2.5256	2.5782	2.6210	2.7209	2.6929	2.8214	3.3041	3.7667	4.4326
PMP/A	3.9688	4.2707	4.3051	4.3964	4.4849	4.5779	4.6539	4.8313	4.8807	5.2626	5.8668	7.2348	9.3250

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB		STATION NAME		ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY	
X19	8692 1	THERMAL AIRPORT SOF		118	20	065	08E		S	33.635	116.171	33	
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.70	.72	.73	.74	.76	.76	.77	.81	.83	.88	.94	1.15	1.85
5	1.21	1.25	1.25	1.28	1.31	1.31	1.33	1.40	1.43	1.51	1.62	1.97	2.90
10	1.59	1.65	1.64	1.68	1.70	1.71	1.74	1.83	1.86	1.95	2.12	2.55	3.58
20	1.98	2.05	2.03	2.07	2.10	2.11	2.14	2.25	2.27	2.38	2.60	3.11	4.21
25	2.10	2.18	2.16	2.20	2.22	2.24	2.27	2.38	2.41	2.51	2.76	3.29	4.41
40	2.36	2.45	2.42	2.47	2.49	2.50	2.54	2.66	2.68	2.79	3.09	3.66	4.51
50	2.49	2.58	2.54	2.59	2.61	2.63	2.67	2.80	2.82	2.93	3.24	3.83	5.00
100	2.87	2.98	2.93	2.99	3.00	3.01	3.06	3.21	3.22	3.34	3.72	4.37	5.57
200	3.26	3.38	3.31	3.38	3.39	3.40	3.46	3.62	3.62	3.74	4.20	4.90	6.13
1000	4.15	4.31	4.20	4.28	4.27	4.29	4.36	4.57	4.55	4.67	5.30	6.12	7.38
10000	5.43	5.64	5.47	5.58	5.52	5.55	5.65	5.93	5.86	5.99	6.86	7.84	9.11
PMP	9.21	9.56	9.49	9.67	9.81	9.86	10.03	10.50	10.66	11.17	12.18	14.62	19.16
MEAN	.867	.901	.894	.911	.924	.929	.945	.990	1.004	1.052	1.147	1.377	2.055
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.083	.898	.873	1.839	1.641	1.647	1.571	1.243	1.172	.965	.840	.926	1.161
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100

KURTOSIS	2.282	4.256	4.055	8.068	7.151	7.267	7.012	5.337	4.908	4.012	3.667	3.21	2.486
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1974	1966	1964
RECORD MAXIMUM	1.970	1.970	1.970	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	3.300	3.800
NORMALIZED MAX	2.350	2.315	2.322	3.300	3.236	3.242	3.262	3.601	2.912	2.727	2.489	2.238	1.809
CALC. COEF. VAR	.641	.612	.610	.604	.604	.604	.604	.597	.582	.581	.581	.581	.581
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4222	.4385	.4351	.4435	.4498	.4523	.4597	.4816	.4887	.5121	.5503	.6702	1.0000
RP10/A	.7746	.8047	.8006	.8161	.8297	.8342	.8480	.8884	.9035	.9483	1.0298	1.2412	1.7442
RP25/A	1.0226	1.0623	1.0506	1.0707	1.0822	1.0881	1.1061	1.1588	1.1713	1.2220	1.3432	1.5905	2.1465
RP50/A	1.2101	1.2571	1.2386	1.2625	1.2711	1.2780	1.2992	1.3611	1.3706	1.4244	1.5777	1.8645	2.6464
RP100/A	1.3977	1.4520	1.4260	1.4535	1.4587	1.4667	1.4910	1.5620	1.5678	1.6241	1.8106	2.1259	2.7131
RP1000/A	2.0208	2.0993	2.0459	2.0854	2.0765	2.0878	2.1224	2.2235	2.2140	2.2750	2.5774	2.9777	3.9938
RP10000/A	2.6439	2.7465	2.6632	2.7146	2.6890	2.7037	2.7484	2.8794	2.8518	2.9141	3.3377	3.8144	4.4326
PMP/A	4.4812	4.6552	4.6187	4.7077	4.7746	4.8007	4.8802	5.1127	5.1180	5.3586	5.9264	7.1147	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X22 903 0	STATION NAME BORRERO DESERT PARK	ELEV 750	SEC 25	TWP 105	RNG LOT 05E	BWN S	LATITUDE 33.000	LONGITUDE 116.000	COUNTY CO				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.98	1.09	1.10	1.17	1.21	1.22	1.27	1.30	1.45	1.63	1.81	2.34	4.40
5	1.69	1.89	1.91	2.02	2.09	2.11	2.18	2.23	2.49	2.79	3.11	4.01	6.91
10	2.23	2.49	2.50	2.65	2.73	2.76	2.85	2.92	3.23	3.60	4.07	5.18	8.53
20	2.77	3.09	3.10	3.27	3.36	3.39	3.50	3.59	3.96	4.39	5.00	6.32	10.43
25	2.95	3.29	3.29	3.48	3.56	3.59	3.71	3.80	4.19	4.64	5.38	6.68	10.50
40	3.31	3.69	3.68	3.90	3.98	4.02	4.15	4.25	4.67	5.17	5.93	7.43	10.73
50	3.49	3.89	3.87	4.10	4.18	4.22	4.36	4.47	4.90	5.41	6.23	7.79	11.91
100	4.03	4.49	4.46	4.72	4.80	4.84	5.01	5.13	5.61	6.17	7.15	8.88	13.27
200	4.57	5.09	5.04	5.34	5.41	5.46	5.65	5.78	6.31	6.92	8.05	9.96	14.60
1000	5.83	6.49	6.40	6.77	6.83	6.90	7.13	7.30	7.92	8.65	10.18	12.44	17.68
10000	7.62	8.49	8.33	8.81	8.85	8.93	9.23	9.45	10.20	11.07	13.18	15.93	21.68
PMP	12.92	14.40	14.44	15.28	15.71	15.85	16.39	16.78	18.56	20.66	23.40	29.72	45.61
MEAN	1.217	1.356	1.361	1.439	1.480	1.494	1.544	1.581	1.748	1.946	2.204	2.800	4.891
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.416	1.430	1.295	1.250	1.246	1.378	1.762	1.601	1.094	1.425	1.255	1.723	3.330
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100

KURTOSIS	2.731	2.904	2.898	6.010	6.041	6.744	6.584	7.065	5.987	2.895	3.622	4.026	3.151
N	25	25	24	24	24	25	25	25	25	25	25	25	25
RECORD YEAR	1949	1966	1966	1974	1974	1974	1974	1966	1966	1966	1966	1966	1952
RECORD MAXIMUM	1.496	2.360	2.360	3.370	3.370	3.380	3.380	3.600	3.630	3.630	4.130	5.410	7.450
NORMALIZED MAX	1.357	1.664	1.689	2.961	3.081	3.080	2.827	2.985	2.705	2.122	2.446	2.411	2.123
CALC. COEF. VAR	.407	.397	.387	.430	.414	.396	.421	.428	.398	.408	.357	.416	.323
REGN. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.2488	.2773	.2782	.2943	.3026	.3054	.3157	.3322	.3575	.3979	.4587	.5724	1.0000
RP10/A	.5896	.6582	.6570	.7106	.7281	.7347	.7595	.7776	.8567	.9368	1.0814	1.3660	2.1465
RP25/A	.6733	.7950	.7920	.8378	.8552	.8630	.8921	.9134	1.0025	1.1068	1.2737	1.5923	2.4346
RP100/A	.9129	.9182	.9118	.9676	.9814	.9904	1.0236	1.0482	1.1469	1.2620	1.4617	1.8552	2.7131
RP1000/A	1.1913	1.3275	1.3082	1.3892	1.3974	1.4018	1.4521	1.5194	1.6777	1.8807	2.2431	2.8431	3.9838
RP10000/A	1.5585	1.7360	1.7029	1.8015	1.8091	1.8257	1.8873	1.9323	2.0859	2.2644	2.6945	3.2876	4.4326
PMP/A	2.6415	2.9438	2.9532	3.1242	3.2123	3.2417	3.3511	3.4310	3.7947	4.2236	4.7844	6.0763	9.3250

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. 85N ORDER SUB 422 886 0	STATION NAME BORRERO SPRINGS INNE		ELEV 625	SEC 21	TWP 105	RNG LOT 06E	8MM 5	LATITUDE 33.285	LONGITUDE 116.350	COUNTY CODE 90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.91	1.05	1.85	1.04	1.08	1.88	1.14	1.16	1.19	1.26	1.33	1.69	2.96
5	1.56	1.62	1.81	1.80	1.86	1.86	1.97	2.00	2.05	2.16	2.29	2.69	4.64
10	2.08	2.40	2.38	2.37	2.43	2.43	2.57	2.61	2.67	2.80	2.99	3.73	5.73
20	2.58	2.98	2.94	2.93	2.98	3.00	3.16	3.21	3.26	3.41	3.68	4.55	6.73
25	2.74	3.17	3.12	3.11	3.16	3.17	3.35	3.41	3.46	3.60	3.90	4.81	7.05
40	3.09	3.56	3.50	3.49	3.54	3.55	3.75	3.81	3.85	4.01	4.30	5.35	7.20
50	3.25	3.75	3.68	3.67	3.72	3.73	3.94	4.00	4.04	4.20	4.58	5.61	7.94
100	3.75	4.33	4.24	4.22	4.26	4.26	4.52	4.58	4.63	4.79	5.26	6.39	8.91
200	4.25	4.91	4.79	4.77	4.81	4.83	5.10	5.18	5.20	5.37	5.93	7.17	8.80
1000	5.42	6.26	6.08	6.05	6.07	6.09	6.43	6.54	6.53	6.71	7.48	8.95	11.80
10000	7.09	8.19	7.91	7.88	7.86	7.89	8.33	8.46	8.41	8.59	9.69	11.47	14.55
PMP	12.02	13.69	13.72	13.67	13.90	14.01	14.79	15.03	15.30	16.03	17.21	21.39	30.61
MEAN	1.133	1.308	1.293	1.288	1.315	1.319	1.394	1.416	1.442	1.510	1.621	2.015	3.283
CLOCK MR. COR.	1.140	1.676	1.646	1.620	1.610	1.618	1.680	1.680	1.680	1.680	1.680	1.680	1.680
CALCULATED SKEW	1.423	2.312	2.012	2.289	2.309	2.326	2.643	2.682	2.215	2.021	2.341	1.530	1.309
REGIONAL SKEW	2.000	2.000	2.000	2.000	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	8.244	10.020	10.025	10.009	10.210	10.274	8.981	8.825	9.831	9.034	10.619	6.470	5.727
N	22	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
RECORD MAXIMUM	3.550	5.010	5.010	5.010	5.010	5.010	5.100	5.210	5.310	5.510	6.130	6.430	9.300
NORMALIZED MAX	2.791	3.241	3.367	3.454	3.518	3.523	3.448	3.430	3.535	3.545	3.608	3.141	3.012
CALC. COEF. VAR	.705	.873	.854	.837	.799	.794	.784	.781	.778	.767	.771	.697	.644
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.3451	.3985	.3939	.3922	.4005	.4019	.4245	.4313	.4392	.4600	.4938	.6140	1.0000
RP10/A	.0332	.7313	.7247	.7217	.7388	.7414	.7831	.7956	.8119	.8518	.9108	1.1370	1.7442
RP25/A	.0358	.9054	.9510	.9470	.9636	.9670	1.0214	1.0377	1.0520	1.0977	1.1888	1.4652	2.4665
RP50/A	.0892	1.1425	1.1212	1.1165	1.1319	1.1358	1.1997	1.2106	1.2317	1.2786	1.3953	1.7879	2.3446
RP100/A	1.1425	1.3196	1.2908	1.2854	1.2968	1.3035	1.3768	1.3868	1.4068	1.4568	1.6013	1.9473	2.7131
RP1000/A	1.6510	1.9678	1.8519	1.8442	1.8490	1.8555	1.9599	1.9912	1.9890	2.0436	2.2795	2.7276	3.5938
RP10000/A	2.1611	2.4960	2.4107	2.4087	2.3945	2.4026	2.5380	2.5785	2.5628	2.6177	2.9519	3.4940	4.4326
PMP/A	3.6628	4.2306	4.1807	4.1033	4.2516	4.2665	4.5065	4.5785	4.6623	4.8827	5.2414	6.5172	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE													
STATION NO. BSN ORDER SUB X22 6383 0	STATION NAME OCOTILLO WELLS		ELEV 175	SEC 10	TWP 125	RNG LOT 08E F S	8MM 5	LATITUDE 33.150	LONGITUDE 116.133	COUNTY CODE 90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.66	.73	.75	.77	.78	.78	.78	.81	.87	.95	1.03	1.31	2.05
5	1.15	1.27	1.30	1.33	1.34	1.35	1.35	1.39	1.49	1.62	1.77	2.25	3.22
10	1.51	1.67	1.71	1.75	1.75	1.76	1.76	1.82	1.94	2.10	2.31	2.91	3.97
20	1.88	2.08	2.11	2.16	2.16	2.17	2.17	2.24	2.38	2.56	2.84	3.54	4.67
25	1.99	2.21	2.24	2.29	2.29	2.30	2.30	2.37	2.51	2.70	3.01	3.75	4.88
40	2.24	2.49	2.51	2.57	2.56	2.57	2.57	2.65	2.80	3.01	3.37	4.17	4.99
50	2.36	2.62	2.64	2.70	2.69	2.70	2.70	2.79	2.94	3.15	3.54	4.37	5.34
100	2.73	3.02	3.04	3.11	3.08	3.10	3.09	3.20	3.37	3.60	4.06	4.98	6.17
200	3.09	3.43	3.44	3.52	3.48	3.50	3.49	3.61	3.79	4.03	4.58	5.58	6.79
1000	3.94	4.37	4.36	4.47	4.39	4.42	4.40	4.55	4.75	5.04	5.78	6.97	8.17
10000	5.16	5.71	5.68	5.88	5.68	5.72	5.70	5.89	6.12	6.45	7.49	8.93	10.88
PMP	8.74	9.69	9.85	10.69	10.69	10.16	10.13	10.46	11.14	12.63	13.30	16.06	21.21
MEAN	.824	.912	.928	.958	.951	.957	.984	.986	1.049	1.133	1.253	1.570	2.275
CLOCK MR. COR.	1.140	1.670	1.640	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.600	1.600	1.600
CALCULATED SKEW	1.846	3.187	3.047	2.774	2.759	2.773	2.764	2.878	2.820	2.860	2.963	2.162	1.526
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.800	1.600	1.100
KURTOSIS	7.599	15.684	14.937	12.726	12.714	12.803	12.798	13.445	12.736	11.679	12.693	9.421	5.995
RECORD YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
RECORD MAXIMUM	2.400	3.790	3.790	3.790	3.790	3.790	3.790	3.790	3.790	3.790	4.350	5.490	6.340
NORMALIZED MAX	2.013	3.610	3.607	3.628	3.678	3.685	3.636	3.988	3.884	3.746	3.835	3.430	3.011
CALC. COEF. VAR	.680	.790	.790	.790	.790	.790	.790	.790	.790	.790	.790	.790	.790
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641
MEAN/A	.3021	.4012	.4079	.4178	.4179	.4206	.4194	.4333	.4613	.4993	.5509	.6900	1.0000
RP10/A	.0644	.7361	.7505	.7687	.7709	.7758	.7737	.7993	.8527	.9229	1.0162	1.2779	1.7442
RP25/A	.0770	.9719	.9646	1.0087	1.0055	1.0119	1.0091	1.0425	1.1053	1.1892	1.3254	1.6495	2.1465
RP50/A	1.0379	1.1500	1.1610	1.1892	1.1810	1.1862	1.1892	1.2245	1.2835	1.3662	1.5568	1.9195	2.3464
RP100/A	1.1886	1.3283	1.3367	1.3692	1.3554	1.3640	1.3402	1.4053	1.4797	1.5606	1.7886	2.1886	2.7131
RP1000/A	1.7332	1.9204	1.9178	1.9644	1.9294	1.9417	1.9363	2.0004	2.0895	2.2140	2.5432	3.0857	3.5938
RP10000/A	2.2676	2.3125	2.4084	2.3571	2.4985	2.5144	2.5074	2.5905	2.6814	2.8160	3.2933	3.9270	4.4326
PMP/A	3.6433	4.2585	4.3254	4.4349	4.4364	4.4647	4.4522	4.5997	4.6993	5.2898	5.6478	7.3248	9.3250

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X23 1288 0	STATION NAME CALEXICO 2 NE	ELEV 166	SEC 12	TWP 07	RND LOT 175 15E M	BWM S	LATITUDE 32.087	LONGITUDE 115.465	COUNTY CODE 13				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.71	.73	.73	.72	.73	.75	.80	.80	.84	.91	.93	1.12	1.86
5	1.22	1.27	1.26	1.25	1.26	1.29	1.37	1.38	1.44	1.55	1.60	1.92	2.93
10	1.61	1.67	1.65	1.63	1.64	1.69	1.79	1.81	1.87	2.00	2.09	2.49	3.61
20	2.00	2.08	2.04	2.02	2.02	2.08	2.21	2.23	2.29	2.44	2.58	3.03	4.25
25	2.13	2.21	2.17	2.14	2.15	2.21	2.34	2.36	2.43	2.58	2.73	3.20	4.44
40	2.39	2.43	2.40	2.37	2.40	2.47	2.62	2.64	2.71	2.87	3.05	3.57	4.94
50	2.52	2.61	2.56	2.53	2.52	2.59	2.75	2.77	2.84	3.01	3.21	3.74	5.04
100	2.91	3.02	2.94	2.91	2.89	2.97	3.15	3.18	3.25	3.43	3.60	4.26	5.62
200	3.30	3.42	3.33	3.29	3.26	3.35	3.56	3.59	3.66	3.85	4.15	4.78	6.18
1000	4.20	4.36	4.22	4.17	4.12	4.23	4.49	4.53	4.59	4.80	5.24	5.97	7.44
10000	5.50	5.71	5.50	5.43	5.33	5.48	5.81	5.86	5.91	6.15	6.79	7.64	9.18
PMP	9.32	9.67	9.53	9.42	9.46	9.73	10.32	10.41	10.76	11.48	12.05	14.25	19.31
MEAN	.878	.911	.898	.887	.892	.917	.972	.980	1.013	1.081	1.135	1.343	2.070
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.518	1.028	1.009	.974	.927	.949	.819	.832	.956	.760	.666	.367	.944
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.700	1.700	1.600	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	6.107	4.685	4.678	4.558	4.302	3.938	3.040	3.007	3.337	3.088	2.785	2.493	3.657
N	25	25	25	25	25	25	25	25	25	25	25	25	25
RECORD YEAR	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1970
RECORD MAXIMUM	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520	2.520
NORMALIZED MAX	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562	2.562
CALC. COEF. VAR	.730	.682	.668	.666	.665	.681	.700	.700	.729	.673	.686	.610	.666
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4242	.4401	.4338	.4286	.4307	.4428	.4697	.4735	.4894	.5222	.5483	.6486	1.0000
RP10/A	.7784	.8076	.7922	.7844	.7844	.7946	.8663	.8735	.9046	.9671	1.0114	1.2011	1.7442
RP25/A	1.0275	1.0561	1.0474	1.0381	1.0381	1.0552	1.1303	1.1393	1.1728	1.2462	1.3192	1.5478	2.1655
RP50/A	1.2160	1.2610	1.2349	1.2201	1.2170	1.2512	1.3272	1.3381	1.3723	1.4527	1.5494	1.8042	2.4346
RP100/A	1.4045	1.4572	1.4218	1.4048	1.3966	1.4359	1.5232	1.5357	1.5698	1.6563	1.7782	2.0571	2.7131
RP1000/A	2.0305	2.1668	2.0308	2.0154	1.9881	2.0440	2.1682	2.1846	2.2169	2.3201	2.5312	2.8814	3.5938
RP10000/A	2.6567	2.7594	2.6552	2.6235	2.5745	2.6469	2.8078	2.8309	2.8554	2.9719	3.2779	3.6910	4.4326
PMP/A	4.5028	4.6718	4.6048	4.5497	4.5714	4.6998	4.9855	5.0265	5.1947	5.5433	5.8202	6.8846	9.3250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB X23 6197 0	STATION NAME NILANO	ELEV 100	SEC -55	TWP 21	RND LOT 105 14E	BWM S	LATITUDE 33.283	LONGITUDE 115.517	COUNTY CODE 13				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	.69	.70	.74	.74	.76	.76	.78	.79	.82	.85	.93	1.11	1.79
5	1.19	1.22	1.28	1.28	1.31	1.32	1.34	1.35	1.40	1.46	1.61	1.90	2.81
10	1.57	1.61	1.68	1.68	1.71	1.72	1.75	1.77	1.82	1.88	2.10	2.45	3.47
20	1.95	2.00	2.08	2.08	2.10	2.12	2.15	2.18	2.23	2.30	2.59	2.99	4.08
25	2.07	2.12	2.20	2.20	2.22	2.25	2.28	2.31	2.36	2.43	2.74	3.16	4.27
40	2.33	2.39	2.47	2.47	2.49	2.51	2.55	2.58	2.63	2.70	3.07	3.52	4.36
50	2.45	2.51	2.60	2.60	2.61	2.64	2.68	2.71	2.76	2.83	3.22	3.69	4.84
100	2.83	2.90	2.99	2.99	3.00	3.03	3.07	3.11	3.16	3.23	3.70	4.20	5.39
200	3.21	3.29	3.38	3.38	3.38	3.41	3.46	3.51	3.55	3.62	4.17	4.71	5.93
1000	4.10	4.19	4.29	4.29	4.27	4.31	4.37	4.43	4.46	4.52	5.27	5.89	7.14
10000	5.36	5.49	5.59	5.59	5.53	5.58	5.66	5.73	5.74	5.79	6.82	7.54	8.81
PMP	9.08	9.30	9.69	9.69	9.82	9.91	10.05	10.18	10.45	10.79	12.11	14.06	18.54
MEAN	.856	.876	.913	.913	.925	.933	.947	.959	.984	1.017	1.141	1.325	1.988
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.664	1.384	1.112	1.006	.887	.865	.765	.739	.668	.700	1.558	.925	.392
REGIONAL SKEW	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
SKEW USED	2.000	2.000	1.900	1.900	1.800	1.800	1.800	1.800	1.700	1.600	1.600	1.600	1.100
KURTOSIS	7.322	6.106	4.979	4.630	4.339	4.376	4.241	4.136	3.640	3.466	7.232	4.565	2.538
N	29	29	29	29	29	29	29	29	29	29	29	29	29
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.650	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	3.950	3.950	4.970
NORMALIZED MAX	2.901	2.992	2.913	2.933	2.910	2.919	2.929	2.904	2.747	2.559	3.505	2.961	2.351
CALC. COEF. VAR	.723	.696	.672	.668	.688	.648	.632	.625	.634	.647	.702	.686	.638
REGION. COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
USED COEF. VAR	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.641	.555
MEAN/A	.4305	.4406	.4591	.4591	.4651	.4695	.4763	.4826	.4952	.5115	.5738	.6664	1.0000
RP10/A	.7899	.8085	.8448	.8448	.8580	.8661	.8786	.8901	.9134	.9473	1.0584	1.2342	1.7442
RP25/A	1.0428	1.0673	1.1095	1.1086	1.1191	1.1296	1.1460	1.1610	1.1867	1.2207	1.3805	1.5904	2.1465
RP50/A	1.2340	1.2631	1.3059	1.3070	1.3144	1.3268	1.3460	1.3637	1.3887	1.4230	1.6215	1.9539	2.6468
RP100/A	1.4253	1.4549	1.5067	1.5048	1.5085	1.5227	1.5448	1.5650	1.5866	1.6225	1.8609	2.1138	2.7131
RP1000/A	2.0607	2.1092	2.1508	2.1589	2.1473	2.1675	2.1989	2.2278	2.2434	2.2726	2.6440	2.9538	3.5938
RP10000/A	2.6961	2.7395	2.8102	2.8103	2.7807	2.8069	2.8476	2.8849	2.8896	2.9111	3.4033	3.7927	4.4326
PMP/A	4.5697	4.6772	4.8735	4.8737	4.9375	4.9840	5.0562	5.1225	5.2569	5.4909	6.0910	7.0742	9.3250

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 13 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY			
Y01 114 51	ALISO CANYON CDDK 151	985	04	065	07W	0	S	33.667	117.630	30			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.51	3.29	3.68	3.94	4.08	4.38	4.88	5.12	5.66	6.14	7.24	9.78	15.54
5	3.66	4.95	5.71	6.08	6.31	6.81	7.66	7.78	8.43	9.11	10.67	13.94	20.41
10	4.44	6.07	7.05	7.53	7.83	8.47	9.15	9.53	10.21	10.99	12.51	16.07	23.43
20	5.19	7.12	8.33	8.91	9.28	10.04	10.73	11.18	11.86	12.72	14.39	19.23	26.19
25	5.42	7.45	8.73	9.35	9.74	10.54	11.23	11.67	12.37	13.26	14.97	20.02	27.04
40	5.91	8.13	9.55	10.25	10.68	11.57	12.25	12.73	13.63	14.36	16.17	21.67	28.78
50	6.13	8.45	9.94	10.67	11.13	12.05	12.72	13.17	14.07	14.72	16.58	22.44	29.58
100	6.83	9.43	11.12	11.97	12.49	13.53	14.18	14.72	15.43	16.42	18.41	24.79	32.02
200	7.32	10.38	12.29	13.25	13.83	14.99	15.60	16.19	16.89	17.92	20.04	27.08	34.37
1000	9.09	12.56	14.92	16.16	16.88	18.31	19.61	19.50	20.17	21.29	23.69	32.26	39.61
10000	11.28	15.58	18.58	20.23	21.14	22.95	23.25	24.09	24.69	25.89	28.68	39.43	46.73
PMP	21.33	30.58	36.76	38.91	40.71	44.24	47.13	48.76	51.03	55.07	60.36	77.96	95.92
MEAN	2.790	3.663	4.142	4.460	4.618	4.968	5.420	5.676	6.201	6.667	7.818	10.457	16.327
CLOCK NR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.068	1.074	1.087	1.097	1.101	1.104	1.104	1.104	1.104	1.104	1.104	1.104	1.104
REGIONAL SKEW	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
SKEW USED	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
KURTOSIS	3.769	3.506	4.669	4.224	4.542	4.023	3.312	3.285	3.425	3.010	3.360	6.257	4.123
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1967	1967	1956	1956	1967	1967	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	5.150	7.630	10.840	10.910	11.260	11.260	12.240	12.540	14.430	14.730	17.130	29.440	34.970
NORMALIZED MAX	1.764	1.903	2.352	2.362	2.417	2.265	2.245	2.277	2.310	2.392	2.507	3.458	2.578
CALC. COEF. VAR	.460	.569	.614	.612	.595	.559	.583	.559	.521	.529	.475	.510	.475
RECN. COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
USED COEF. VAR	.443	.490	.525	.515	.521	.527	.513	.506	.482	.484	.448	.421	.325
MEAN/A	.1709	.2243	.2537	.2731	.2829	.3043	.3320	.3476	.3798	.4003	.4789	.6527	1.0000
RP10/A	.2721	.3715	.4320	.4612	.4798	.5186	.5603	.5834	.6252	.6732	.7604	1.0211	1.4351
RP25/A	.3320	.4561	.5344	.5565	.5798	.6355	.6875	.7148	.7579	.8120	.9171	1.2284	1.6500
RP50/A	.3757	.5174	.6080	.6337	.6616	.7381	.7793	.8096	.8530	.9107	1.0242	1.3744	1.6119
RP100/A	.4185	.5773	.6813	.7333	.7649	.8288	.8684	.9016	.9448	1.0057	1.1273	1.5102	1.9611
RP1000/A	.5566	.7690	.9136	.9898	1.0337	1.1213	1.1520	1.1946	1.2353	1.3038	1.4509	1.9758	2.4261
RP10000/A	.6907	.9531	1.1380	1.2390	1.2948	1.4053	1.4241	1.4756	1.5120	1.5856	1.7568	2.4148	2.8619
PMP/A	1.3065	1.8731	2.2514	2.3831	2.4948	2.7096	2.8866	2.9861	3.1520	3.3727	3.6969	4.7746	5.8750

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
Y01 609 9	BEAUMONT IE	2600	11	035	01W	S	33.933	116.950	33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.29	2.96	3.22	3.39	3.55	3.72	4.02	4.37	4.86	5.13	5.79	8.22	14.72
5	3.47	4.54	5.00	5.28	5.52	5.77	6.19	6.67	7.40	7.71	8.58	12.36	20.71
10	4.27	5.60	6.19	6.56	6.86	7.17	7.80	8.18	9.04	9.34	10.34	15.08	24.43
20	5.04	6.60	7.31	7.78	8.13	8.49	8.93	9.60	10.56	10.86	11.96	17.62	27.82
25	5.28	6.91	7.66	8.16	8.53	8.91	9.35	10.04	11.03	11.30	12.46	18.41	28.86
40	5.78	7.56	8.39	8.96	9.36	9.76	10.20	10.95	11.26	12.28	13.49	20.05	31.00
50	6.02	7.87	8.73	9.34	9.76	10.16	10.60	11.38	12.46	12.70	13.97	20.62	31.99
100	6.74	8.80	9.78	10.49	10.95	11.43	11.82	12.68	13.84	14.04	15.42	23.15	34.99
200	7.44	9.71	10.80	11.62	12.13	12.65	13.02	13.95	15.18	15.35	16.83	25.43	37.89
1000	9.05	11.77	13.12	14.19	14.82	15.45	15.71	16.81	18.20	18.27	19.98	30.59	44.33
10000	11.31	14.65	16.34	17.78	18.57	19.35	19.44	20.78	22.35	22.26	24.30	37.72	53.08
PMP	21.65	28.92	32.35	34.78	35.79	37.27	39.47	42.11	46.57	47.56	51.64	76.05	113.59
MEAN	2.575	3.314	3.627	3.845	4.026	4.221	4.478	4.852	5.356	5.586	6.286	9.092	15.689
CLOCK NR. CDR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.979	.952	.945	1.258	1.478	1.310	1.163	.896	.865	.707	.639	1.756	1.064
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.402	3.404	3.422	4.779	5.766	5.521	4.496	3.797	3.899	3.711	3.345	7.140	4.069
N	32	32	32	32	32	32	32	32	32	32	32	32	32
RECORD YEAR	1969	1943	1969	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.690	6.640	7.240	9.380	10.360	10.360	10.360	10.360	11.350	11.520	12.460	24.960	30.900
NORMALIZED MAX	1.923	2.076	2.149	2.942	3.203	3.144	2.859	2.599	2.600	2.600	2.969	3.510	2.769
CALC. COEF. VAR	.427	.483	.463	.489	.493	.464	.461	.438	.421	.404	.392	.495	.350
RECN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.641	2.113	2.312	2.451	2.566	2.690	2.854	3.093	3.414	3.560	4.006	5.795	1.0000
RP1/A	.2725	.3569	.3946	.4180	.4370	.4587	.4847	.5215	.5762	.5951	.6589	.9609	1.5570
RP25/A	.3369	.4406	.4885	.5204	.5430	.5676	.5958	.6398	.7031	.7249	.7943	1.1735	1.9397
RP50/A	.3834	.5014	.5587	.5951	.6218	.6490	.6759	.7251	.7940	.8094	.8905	1.3267	2.0392
RP100/A	.4293	.5606	.6231	.6603	.6882	.7264	.7537	.8079	.8819	.8961	.9831	1.4756	2.2303
RP1000/A	.5771	.7504	.8361	.9043	.9444	.9846	1.0013	1.0716	1.1598	1.1642	1.2738	1.9408	2.8254
RP10000/A	.7208	.9336	1.0417	1.1335	1.1835	1.2333	1.2389	1.3246	1.4244	1.4185	1.5486	2.4040	3.3833
PMP/A	1.3801	1.8432	2.0621	2.1859	2.2813	2.3755	2.5157	2.6843	2.9681	3.0315	3.2912	4.8474	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB		STATION NAME		ELEV	SEC	TWP	RNG LOT	BM	LATITUDE	LONGITUDE	COUNTY CODE			
T01	742 0	BIG BEAR LAKE DAM		6815	22	02N	01W	5	34.233	116.967	36			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS														
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650
2		5.29	7.05	7.67	8.25	8.61	9.03	9.97	10.74	12.24	13.43	15.51	20.76	35.07
5		8.02	10.64	12.21	12.86	13.39	14.00	15.34	16.40	18.64	20.18	22.97	31.22	49.32
10		9.86	13.36	15.11	15.98	16.64	17.37	18.85	20.22	22.76	24.46	27.69	38.07	58.18
20		11.64	15.75	17.84	18.96	19.73	20.58	22.15	23.59	26.59	28.39	32.03	44.49	66.26
25		12.20	16.49	18.70	19.69	20.70	21.59	23.18	24.68	27.78	29.60	33.37	46.50	68.75
40		13.36	18.04	20.48	21.94	22.72	23.69	25.30	26.79	28.36	32.10	36.13	50.64	73.84
50		13.90	18.77	21.31	22.75	23.67	24.66	26.29	27.97	31.37	33.26	37.42	52.57	76.21
100		15.56	20.99	23.85	25.25	26.57	27.70	29.32	31.16	34.84	36.79	41.31	58.47	83.34
200		17.29	23.10	26.35	28.31	29.64	30.67	32.27	34.29	38.22	40.20	45.68	64.23	90.24
1000		20.92	28.09	32.00	34.57	35.95	37.44	38.95	41.34	45.81	47.84	53.52	77.24	105.99
10000		26.12	34.95	39.87	43.34	45.05	46.90	48.19	51.09	56.27	58.30	65.07	95.25	126.43
PMP		50.02	69.00	78.93	83.97	86.85	90.33	97.86	103.54	117.25	124.58	138.29	192.07	270.96
MEAN		5.948	7.908	8.849	9.369	9.769	10.230	11.102	11.929	13.485	14.631	16.833	22.961	37.370
CLOCK W/8 COR.		1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALC. COEF. VAR		1.1617	2.4577	1.980	1.775	1.747	1.695	1.742	1.556	1.409	1.328	1.237	1.583	1.225
REGIONAL SKEW		1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
REGIONAL SKEW USED		1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
KURTOSIS		6.540	12.153	8.469	7.410	7.132	6.544	7.377	6.033	5.427	5.020	4.614	6.483	4.615
N		91	91	91	91	90	89	89	90	90	90	90	90	91
RECORD YEAR		1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891
RECORD MAXIMUM		16.100	32.100	33.400	33.800	34.000	34.000	38.500	40.200	40.300	40.600	45.700	73.050	93.100
NORMALIZED MAX		3.185	4.885	4.440	4.317	4.260	4.019	4.262	4.168	3.483	3.196	3.174	4.400	3.408
CALC. COEF. VAR		.936	.626	.625	.604	.582	.578	.579	.569	.571	.560	.540	.551	.438
REGN. COEF. VAR		.494	.913	.928	.928	.926	.922	.921	.912	.913	.901	.881	.891	.816
USED COEF. VAR		.494	.913	.928	.928	.926	.922	.921	.912	.913	.901	.881	.891	.816
MEAN/A		.1592	.2116	.2368	.2507	.2614	.2736	.2971	.3192	.3609	.3915	.4505	.6144	1.0000
RP10/A		.2843	.3578	.4045	.4377	.4563	.4772	.5091	.5454	.6032	.6437	.7437	1.0188	1.5570
RP25/A		.3265	.4414	.5004	.5324	.5540	.5778	.6202	.6804	.7433	.7922	.8930	1.2442	1.8397
RP50/A		.3719	.5022	.5702	.6089	.6335	.6604	.7036	.7484	.8393	.8901	1.0012	1.4087	2.0392
RP100/A		.4104	.5615	.6383	.6838	.7112	.7412	.7845	.8339	.9322	.9844	1.1053	1.5646	2.2393
RP1000/A		.5898	.7817	.8584	.9252	.9620	1.0018	1.0623	1.1081	1.2260	1.2863	1.4322	2.0070	2.8254
RP10000/A		.6991	.9352	1.0670	1.1597	1.2056	1.2550	1.2896	1.3672	1.5058	1.5600	1.7411	2.5490	3.3833
PMP/A		1.3386	1.8403	2.1122	2.2364	2.3240	2.4173	2.6187	2.7707	3.1376	3.3338	3.7005	5.1397	7.2400

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 1779 0	STATION NAME CLAREMONT POMONA COLLEGE	ELEV 1201	SEC 10	TWP 01S	RNG LOT 08W	BM 5	LATITUDE 34.097	LONGITUDE 117.709	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.72	3.57	3.91	4.10	4.27	4.53	4.94	5.23	5.90	6.36	7.46	9.82	16.44
5	4.13	5.49	6.07	6.39	6.65	7.02	7.60	8.00	8.99	9.56	11.04	14.77	23.12
10	5.09	6.77	7.51	7.94	8.26	8.72	9.34	9.81	10.97	11.58	13.31	18.01	27.28
20	6.00	7.98	8.88	9.42	9.79	10.33	10.97	11.50	12.82	13.44	15.40	21.05	31.08
25	6.29	8.36	9.30	9.89	10.27	10.64	11.48	12.03	13.39	14.01	16.05	22.40	32.23
40	6.88	9.14	10.19	10.85	11.28	11.89	12.53	13.12	13.67	15.20	17.37	23.96	34.62
50	7.16	9.51	10.60	11.31	11.75	12.38	13.02	13.63	15.12	15.75	17.99	24.87	35.72
100	8.02	10.63	11.87	12.70	13.19	13.90	14.52	15.19	16.79	17.42	19.86	27.66	39.07
200	8.86	11.73	13.11	14.07	14.61	15.39	15.99	16.71	18.42	19.03	21.68	30.39	42.30
1000	10.78	14.23	15.92	17.19	17.84	18.79	19.30	20.15	22.07	22.65	25.74	36.55	49.50
10000	13.46	17.71	19.84	21.54	22.36	23.54	23.87	24.91	27.12	27.60	31.29	45.07	59.23
PMP	25.78	34.95	39.27	41.55	43.10	45.33	48.48	50.47	56.52	58.98	66.47	90.88	126.03
MEAN	3.065	4.006	4.402	4.658	4.849	5.134	5.500	5.815	6.500	6.926	8.094	10.884	17.518
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.084	1.296	1.234	1.138	1.004	.883	.690	.630	.651	.642	.662	.955	.879
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	4.109	4.682	4.337	3.890	3.547	3.304	3.059	2.928	3.243	3.039	3.251	4.085	3.601
N	79	79	79	79	79	79	79	79	79	79	79	79	79
RECORD YEAR	1956	1943	1943	1914	1914	1943	1969	1969	1916	1916	1914	1969	1941
RECORD MAXIMUM	6.950	10.280	10.540	10.820	10.920	11.380	12.340	12.670	15.140	15.540	17.630	26.190	38.360
NORMALIZED MAX	2.787	3.032	2.733	2.580	2.509	2.466	2.672	2.630	2.937	2.631	2.762	3.144	3.141
CALC. COEF. VAR	.455	.518	.510	.511	.499	.489	.465	.447	.453	.435	.449	.379	
REGN. COEF. VAR	.457	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.457	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1750	.2287	.2513	.2659	.2768	.2931	.3139	.3319	.3710	.3954	.4621	.6202	1.0000
RP10/A	.2905	.3664	.4290	.4535	.4714	.4975	.5332	.5597	.6263	.6609	.7999	1.0283	1.5570
RP25/A	.3389	.4770	.5310	.5645	.5865	.6185	.6554	.6867	.7642	.8000	.9160	1.2556	1.6397
RP50/A	.4088	.5427	.6051	.6457	.6708	.7069	.7435	.7782	.8630	.8969	1.0270	1.4199	2.0392
RP100/A	.4577	.6169	.6774	.7251	.7530	.7935	.8291	.8672	.9586	.9941	1.1338	1.5792	2.2393
RP1000/A	.6154	.8125	.9088	.9611	1.0185	1.0725	1.1015	1.1502	1.2606	1.2929	1.4691	2.0693	2.8254
RP10000/A	.7605	1.0107	1.1323	1.2298	1.2764	1.3435	1.3628	1.4217	1.5483	1.5754	1.7860	2.5727	3.3833
PMP/A	1.4715	1.9953	2.2416	2.3715	2.4605	2.5877	2.7674	2.8811	3.2292	3.3867	3.7957	5.1876	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 1941 4	STATION NAME COLTON SPR	ELEV 973	SEC TWP RNG LOT	BWM LATITUDE 34.005	LONGITUDE 117.322	COUNTY CODE 36						
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	3650
2	2.04	2.57	2.87	3.05	3.20	3.40	3.66	3.90	4.43	4.86	5.61	7.65
5	3.10	3.97	4.49	4.76	4.99	5.28	5.89	6.02	6.84	7.43	8.44	11.61
10	3.83	4.94	5.61	5.95	6.23	6.58	7.09	7.48	8.51	9.21	10.40	14.34
20	4.54	5.87	6.68	7.08	7.42	7.84	8.43	8.88	10.11	10.92	12.28	16.97
25	4.76	6.16	7.02	7.44	7.80	8.23	8.88	9.33	10.62	11.46	12.88	17.90
40	5.22	6.77	7.73	8.19	8.58	9.05	9.74	10.25	11.67	12.59	14.12	19.53
50	5.44	7.06	8.06	8.54	8.95	9.44	10.16	10.69	12.17	13.11	14.70	20.34
100	6.11	7.95	9.08	9.63	10.08	10.63	11.44	12.02	13.69	14.71	16.49	22.84
200	6.77	8.82	10.00	10.69	11.19	11.63	12.70	13.24	15.14	16.25	18.31	25.31
1000	8.28	10.82	12.39	13.13	13.74	14.49	15.58	16.35	18.62	20.01	22.29	30.94
10000	10.40	13.62	15.62	16.56	17.33	18.26	19.64	20.56	23.44	25.15	27.95	38.96
PMP	19.43	25.54	29.36	31.13	32.56	34.28	36.86	38.58	43.94	47.03	52.06	72.51
MEAN	2.310	2.927	3.292	3.490	3.662	3.882	4.182	4.444	5.054	5.523	6.337	8.668
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485	1.485
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
KURTOSIS	5.079	6.158	5.093	5.215	4.873	4.120	3.548	3.562	4.353	4.245	5.681	4.401
N	45	45	45	45	45	45	45	45	45	45	45	45
RECORD YEAR	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916
RECORD MAXIMUM	5.250	7.950	8.890	9.450	9.570	9.690	9.800	10.250	14.170	15.290	18.830	22.380
NORMALIZED MAX	2.844	3.384	3.384	3.384	2.910	2.776	2.455	2.555	3.210	3.182	3.940	2.454
CALC. COEF. VAR	.501	.515	.542	.561	.558	.557	.530	.511	.562	.559	.547	.496
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491
MEAN/A	.1638	.2075	.2333	.2474	.2596	.2752	.2865	.3191	.3582	.3915	.4492	.6145
RP10/A	.2716	.3500	.3976	.4215	.4417	.4668	.5024	.5301	.6033	.6551	.7737	1.0168
RP25/A	.3174	.4368	.4977	.5277	.5527	.5835	.6279	.6612	.7526	.8125	.9129	1.2619
RP50/A	.3857	.5006	.5713	.6057	.6342	.6693	.7202	.7576	.8624	.9297	1.0419	1.4928
RP100/A	.4332	.5634	.6437	.6824	.7144	.7537	.8109	.8523	.9703	1.0448	1.1688	1.6193
RP1000/A	.5872	.7688	.8782	.9309	.9743	1.0271	1.1048	1.1593	1.3201	1.4182	1.5880	2.1935
RP10000/A	.7376	.9654	1.1072	1.1738	1.2282	1.2942	1.3920	1.4592	1.6917	1.7825	1.9817	2.7545
PMP/A	1.3773	1.8104	2.0815	2.2066	2.3080	2.4302	2.6133	2.7348	3.1149	3.3340	3.6902	5.1402

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 2031 0	STATION NAME CORONA	ELEV 369	SEC 36	TWP 03N	RNG LOT 07W C	BWM S	LATITUDE 33.875	LONGITUDE 117.567	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	3650
2	2.05	2.64	2.86	3.45	3.13	3.73	4.02	3.78	4.43	4.76	5.50	7.35
5	3.11	4.06	4.43	5.37	4.86	5.78	6.19	5.77	6.75	7.15	8.15	11.06
10	3.63	5.01	5.44	6.67	6.04	7.18	7.60	7.08	8.24	8.67	9.62	13.48
20	4.52	5.90	6.45	7.91	7.17	8.50	8.93	8.31	9.63	10.06	11.36	15.76
25	4.73	6.19	6.79	8.31	7.52	8.92	9.35	8.69	10.06	10.49	11.84	16.47
40	5.18	6.77	7.44	9.12	8.25	9.79	10.20	9.48	10.27	11.38	12.82	17.93
50	5.39	7.04	7.74	9.50	8.60	10.20	10.60	9.85	11.36	11.79	13.27	18.62
60	6.04	7.87	8.66	10.67	9.65	11.44	11.82	10.97	12.62	13.04	14.65	20.71
100	6.67	8.68	9.57	11.82	10.69	12.67	13.02	12.07	13.84	14.25	15.99	22.75
1000	8.12	10.53	11.62	14.43	13.06	15.47	15.71	14.85	16.59	16.96	19.98	27.36
10000	10.14	13.11	14.48	18.09	16.38	19.38	19.43	17.99	20.35	20.66	23.08	33.74
PMP	19.41	25.87	28.67	34.49	31.54	37.32	39.48	36.45	42.46	44.16	49.05	68.03
MEAN	2.308	2.965	3.214	3.912	3.548	4.227	4.477	4.199	4.884	5.188	5.971	8.132
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.260	1.333	1.227	1.274	1.170	1.150	1.064	1.022	1.118	1.101	1.263	1.482
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200
KURTOSIS	4.330	5.037	4.354	4.314	4.007	3.891	3.662	3.637	3.905	4.010	4.944	5.103
N	62	62	62	29	29	29	29	29	28	28	28	62
RECORD YEAR	1927	1943	1943	1943	1938	1943	1943	1922	1943	1949	1916	1969
RECORD MAXIMUM	5.050	8.050	8.300	8.500	8.650	8.800	9.000	10.290	10.550	11.430	17.720	20.710
NORMALIZED MAX	2.248	3.226	2.904	2.321	2.614	2.284	2.293	2.706	2.367	2.520	3.629	2.974
CALC. COEF. VAR	.529	.531	.545	.505	.550	.488	.499	.536	.486	.478	.508	.520
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491
MEAN/A	.1846	.2373	.2571	.3129	.2839	.3382	.3582	.3359	.3907	.4149	.4777	.6506
RP10/A	.3066	.4009	.4389	.5338	.4835	.5741	.6063	.5665	.6595	.6935	.7857	1.0788
RP25/A	.3767	.4948	.5434	.6665	.6016	.7137	.7477	.6950	.8048	.8395	.9471	1.3175
RP50/A	.4314	.5631	.6192	.7600	.6813	.8157	.8483	.7877	.9088	.9435	1.0618	1.4866
RP100/A	.4830	.6296	.6931	.8535	.7723	.9156	.9459	.8777	1.0094	1.0431	1.1722	1.6567
RP1000/A	.6494	.8427	.9300	1.1548	1.0447	1.2375	1.2587	1.1841	1.3274	1.3567	1.5189	2.0887
RP10000/A	.8110	1.0485	1.1586	1.4475	1.3092	1.5502	1.5548	1.4389	1.6104	1.6531	1.8485	2.6991
PMP/A	1.5529	2.0700	2.2937	2.7914	2.5236	2.9859	3.1373	2.9160	3.3972	3.5327	3.8244	5.4424

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUR T01 2033 2		STATION NAME CORONA SOUTH		ELEV 1050	SEC 07	TWP 04S	RNG LOT 06W	BMM S	LATITUDE 33-038	LONGITUDE 117-545	COUNTY CODE 33		
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.11	2.75	3.00	3.17	3.30	3.50	3.80	4.02	4.49	4.84	9.57	7.45	12.05
5	3.20	4.23	4.65	4.94	5.13	5.43	5.85	6.14	6.83	7.28	8.25	11.20	16.95
10	3.94	5.22	5.75	6.14	6.37	6.73	7.19	7.53	8.34	8.62	9.94	13.66	19.99
20	4.65	6.15	6.79	7.29	7.56	7.98	8.44	8.83	9.74	10.23	11.50	15.97	22.76
25	4.87	6.44	7.12	7.65	7.93	8.37	8.83	9.24	10.18	10.67	11.98	16.69	23.62
40	5.33	7.04	7.80	8.39	8.71	9.18	9.64	10.07	10.39	11.57	12.98	18.17	25.37
50	5.58	7.33	8.11	8.74	9.07	9.57	10.04	10.47	11.49	11.99	13.44	18.87	26.88
100	6.21	8.19	9.08	9.82	10.18	10.74	11.18	11.66	12.77	13.26	14.83	20.98	28.63
200	6.86	9.04	10.03	10.88	11.28	11.89	12.30	12.83	14.00	14.49	16.19	23.05	31.00
1000	8.35	10.96	12.19	13.29	13.77	14.51	14.85	15.67	16.79	17.25	19.22	27.72	36.27
PMP	19.96	26.93	30.06	32.12	33.28	35.02	37.30	38.75	42.97	44.91	49.66	68.93	92.95
MEAN	2.374	3.087	3.370	3.600	3.743	3.966	4.232	4.464	4.941	5.274	6.045	8.240	12.038
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.312	1.426	1.445	1.311	1.325	1.369	1.204	1.225	1.370	1.281	1.397	1.804	1.008
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
MURTOSSIS	4.388	4.886	5.134	4.415	4.353	4.607	4.041	4.061	4.574	4.263	4.977	5.751	3.578
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1943	1943	1943	1927	1943	1943	1969	1943	1916	1916	1916	1969	1969
RECORD MAXIMUM	5.950	8.450	9.530	9.980	10.100	10.930	11.120	11.600	13.950	14.300	17.460	24.730	29.080
NORMALIZED MAX	2.623	2.984	3.053	2.980	2.799	2.933	2.759	2.710	3.052	2.955	3.404	3.642	2.851
CALC. COEF. VAR	.574	.582	.599	.599	.607	.599	.590	.590	.597	.597	.555	.549	.549
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1849	.2404	.2625	.2804	.2915	.3069	.3296	.3477	.3849	.4108	.4709	.6419	1.0000
RP10/A	.3070	.4062	.4480	.4704	.4965	.5244	.5598	.5884	.6497	.6866	.7745	1.0543	1.8570
RP25/A	.3793	.5015	.5546	.5955	.6178	.6520	.6881	.7194	.7928	.8312	.9335	1.2998	1.8397
RP50/A	.4320	.5708	.6320	.6811	.7068	.7452	.7866	.8153	.8953	.9339	1.0466	1.4466	2.0392
RP100/A	.4837	.6380	.7074	.7648	.7932	.8364	.8704	.9084	.9943	1.0328	1.1554	1.6344	2.2303
RP1000/A	.6503	.8540	.9492	1.0349	1.0729	1.1305	1.1564	1.2049	1.3077	1.3433	1.4971	2.1593	2.8254
RP10000/A	.8121	1.0526	1.1826	1.2972	1.3446	1.4152	1.4368	1.4893	1.6061	1.6367	1.8220	2.6828	3.3833
PMP/A	1.5551	2.0977	2.3412	2.5012	2.5919	2.7277	2.9053	3.0162	3.3671	3.4978	3.8602	5.3892	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB T01 2033 3	STATION NAME CORONA SDF	ELEV 638	SEC 13	TWP 03S	RNG LOT 07W	BMM S	LATITUDE 33-902	LONGITUDE 117-561	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.63	2.15	2.27	2.37	2.42	2.60	3.02	3.18	3.44	3.70	4.22	5.98	9.55
5	2.48	3.31	3.53	3.69	3.77	4.04	4.64	4.86	5.23	5.56	6.25	8.38	13.43
10	3.05	4.08	4.37	4.58	4.68	5.01	5.71	5.96	6.39	6.73	7.53	10.23	15.84
20	3.60	4.81	5.16	5.44	5.55	5.94	6.71	6.99	7.46	7.81	8.71	11.95	18.04
25	3.77	5.04	5.41	5.71	5.83	6.23	7.02	7.32	7.80	8.15	9.08	12.49	18.72
40	4.13	5.51	5.92	6.26	6.39	6.83	7.66	7.98	8.46	8.84	9.83	13.60	20.11
50	4.29	5.73	6.16	6.53	6.66	7.12	7.96	8.29	8.80	9.16	10.18	14.12	20.75
100	4.81	6.41	6.89	7.33	7.48	7.99	8.88	9.24	9.78	10.12	11.24	15.70	22.70
200	5.31	7.08	7.62	8.12	8.28	8.85	9.77	10.16	10.73	11.07	12.26	17.25	24.58
1000	6.46	8.58	9.25	9.92	10.12	10.80	11.79	12.25	12.86	13.17	14.56	20.75	28.75
10000	8.07	10.68	11.53	12.43	12.68	13.53	14.59	15.14	15.80	16.05	17.70	25.58	34.43
PMP	15.45	21.08	22.82	23.97	24.44	26.05	29.63	30.69	32.81	34.29	37.61	51.58	73.68
MEAN	1.837	2.416	2.558	2.687	2.749	2.951	3.361	3.536	3.785	4.027	4.579	6.167	10.177
CLOCK MR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.832	1.105	.901	.878	.769	.856	.471	.560	.921	.830	.750	1.069	1.088
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
MURTOSSIS	3.212	4.761	4.138	3.417	3.407	3.154	3.313	3.674	4.637	4.917	4.213	8.758	5.151
N	24	23	24	21	23	22	23	24	24	23	24	24	24
RECORD YEAR	1956	1956	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.120	5.130	5.220	5.290	5.680	5.680	7.020	7.490	9.020	9.320	10.780	17.450	22.880
NORMALIZED MAX	1.119	2.443	2.198	2.206	2.284	2.097	2.363	2.480	2.670	2.841	2.736	3.499	2.910
CALC. COEF. VAR	.460	.460	.473	.439	.486	.467	.461	.474	.482	.463	.495	.523	.429
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1805	.2374	.2514	.2641	.2701	.2699	.3303	.3474	.3720	.3957	.4499	.6060	1.0000
RP10/A	.2998	.4012	.4291	.4505	.4630	.4922	.5669	.5859	.6278	.6614	.7400	1.0048	1.5899
RP25/A	.3703	.4952	.5312	.5608	.5724	.6120	.6894	.7198	.7662	.8007	.8920	1.2271	1.8397
RP50/A	.4210	.5635	.6053	.6413	.6545	.6994	.7821	.8146	.8652	.8997	1.0001	1.3874	2.0392
RP100/A	.4723	.6301	.6775	.7202	.7349	.7850	.8722	.9077	.9610	.9949	1.1041	1.5430	2.2303
RP1000/A	.6350	.8430	.9090	.9701	.9941	1.0811	1.1587	1.2040	1.2638	1.2940	1.4385	2.0385	2.6284
RP10000/A	.7930	1.0494	1.1326	1.2215	1.2480	1.3292	1.4336	1.4882	1.5522	1.5747	1.7391	2.5139	3.3833
PMP/A	1.5183	2.0717	2.2421	2.3556	2.4014	2.5061	2.9112	3.0158	3.2343	3.3694	3.6961	5.0689	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 2034 21	STATION NAME CHASE + TAYLOR	ELEV 1055	SEC 02	TWP 04S	RNG LOT 07W	8MM S	LATITUDE 33.844	LONGITUDE 117.577	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.43	3.12	3.43	3.58	3.80	3.93	4.29	4.53	4.85	5.22	6.07	8.26	13.47
5	3.69	4.79	5.33	5.57	5.90	6.09	6.60	6.93	7.38	7.84	8.99	12.43	18.95
10	4.34	5.91	6.59	6.93	7.34	7.55	8.11	8.49	9.01	9.50	10.84	15.16	22.35
20	5.35	6.96	7.79	8.22	8.70	8.95	9.63	9.96	10.83	11.03	12.54	17.71	25.45
25	5.61	7.29	8.16	8.62	9.13	9.39	9.97	10.42	11.00	11.50	13.07	18.51	26.41
40	6.14	7.98	8.94	9.47	10.02	10.30	10.89	11.37	11.23	12.47	14.15	20.16	28.36
50	6.39	8.26	9.30	9.84	10.40	10.70	11.30	11.77	12.42	12.92	14.65	20.93	29.27
100	7.15	9.28	10.41	11.07	11.72	12.05	12.61	13.16	13.79	14.29	16.18	23.28	32.01
200	7.90	10.24	11.50	12.27	12.98	13.34	13.89	14.48	15.13	15.62	17.66	25.57	34.66
1000	9.61	12.42	13.97	14.99	15.85	16.28	16.76	17.45	18.14	18.59	20.96	30.75	40.56
10000	12.01	15.45	17.48	18.79	19.86	20.39	20.74	21.57	22.28	22.65	25.46	37.42	48.56
PMP	22.99	30.50	34.46	36.23	38.29	39.28	42.11	43.72	46.43	48.40	54.16	76.46	103.93
MEAN	2.734	3.496	3.863	4.062	4.307	4.449	4.777	5.037	5.340	5.685	6.593	9.140	14.354
CLOCK HR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.671	1.536	1.585	1.363	1.474	1.649	1.307	1.264	1.237	1.064	1.191	1.765	1.167
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	6.032	5.486	5.733	4.804	4.958	5.612	4.618	4.567	4.605	4.141	4.465	6.781	4.097
N	44	44	44	43	42	43	43	44	44	44	44	44	44
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.770	8.990	10.070	10.070	10.680	11.670	11.670	12.370	13.150	13.300	16.350	27.300	32.400
NORMALIZED MAX	2.821	2.947	2.910	2.703	2.760	3.072	2.851	2.902	2.776	2.764	3.121	3.703	2.706
CALC. COEF. VAR	.523	.533	.552	.528	.526	.526	.506	.527	.504	.474	.536	.474	.536
REGN. COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.526	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1904	.2436	.2691	.2830	.3000	.3099	.3328	.3509	.3720	.3960	.4593	.6368	1.0000
RP10/A	.3162	.4115	.4594	.4827	.5110	.5262	.5652	.5917	.6279	.6620	.7554	1.0559	1.5570
RP25/A	.3706	.5080	.5686	.6008	.6358	.6541	.6947	.7251	.7682	.8013	.9105	1.2895	1.8397
RP50/A	.4450	.5781	.6460	.6872	.7270	.7476	.7881	.8227	.8653	.9004	1.0209	1.4579	2.2302
RP100/A	.4982	.6463	.7283	.7717	.8163	.8392	.8788	.9167	.9610	.9957	1.1270	1.6215	2.2303
RP1000/A	.6698	.8652	.9732	1.0442	1.1042	1.1342	1.1676	1.2159	1.2639	1.2950	1.4603	2.1422	2.8254
RP10000/A	.8364	1.0784	1.2125	1.3089	1.3838	1.4208	1.4445	1.5029	1.5523	1.5779	1.7753	2.6417	3.3833
PMP/A	1.6016	2.1251	2.4004	2.5240	2.6874	2.7386	2.9333	3.0457	3.2345	3.3721	3.7730	5.3266	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 2034 22	STATION NAME UPPER DRIVE	ELEV 1235	SEC 12	TWP 04S	RNG LOT 07W	8MM S	LATITUDE 33.934	LONGITUDE 117.581	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.96	3.64	3.95	4.19	4.36	4.52	4.99	5.30	5.82	6.28	7.20	9.83	15.62
5	4.48	5.60	6.14	6.43	6.78	7.01	7.67	8.10	8.86	9.43	10.67	14.78	21.97
10	5.52	6.90	7.59	8.12	8.42	8.70	9.43	9.93	10.81	11.43	12.86	18.02	25.92
20	6.91	8.14	8.97	9.63	9.99	10.31	11.08	11.65	12.63	13.27	14.88	21.06	29.52
25	6.82	8.52	9.40	10.11	10.48	10.82	11.60	12.19	13.20	13.83	15.50	22.01	30.62
40	7.47	9.32	10.30	11.10	11.50	11.87	12.66	13.30	14.47	15.00	16.79	23.97	32.69
50	7.77	9.70	10.71	11.56	11.98	12.36	13.15	13.61	14.90	15.54	17.38	24.88	33.95
100	8.70	10.84	11.99	12.98	13.45	13.87	14.67	15.36	16.55	17.19	19.19	27.67	37.13
200	9.62	11.97	13.25	14.38	14.90	15.36	16.15	16.93	18.16	18.79	20.94	30.40	40.20
1000	11.70	14.51	16.09	17.57	18.20	18.75	19.49	20.41	21.77	22.36	24.86	36.56	47.03
10000	14.61	18.06	20.05	22.02	22.61	23.49	24.11	25.23	26.73	27.24	30.23	45.08	56.32
PMP	27.97	35.65	39.69	42.47	43.96	45.25	48.96	51.13	55.71	58.22	64.24	90.90	120.52
MEAN	3.326	4.086	4.449	4.761	4.945	5.124	5.554	5.891	6.407	6.837	7.820	10.867	16.647
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.934	1.330	1.647	1.405	1.446	1.477	1.303	1.207	1.266	1.109	1.200	1.893	1.176
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	5.552	5.114	6.032	4.877	4.957	5.110	4.774	4.612	5.054	4.274	4.560	7.814	4.270
N	43	43	43	43	43	43	43	43	43	43	43	43	43
RECORD YEAR	1943	1943	1969	1969	1943	1943	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	7.920	10.610	12.470	12.470	12.550	13.740	14.890	15.320	17.170	17.170	26.390	34.900	40.260
NORMALIZED MAX	2.631	3.021	3.022	2.779	2.828	2.896	2.967	2.917	3.140	2.946	3.178	3.945	3.013
CALC. COEF. VAR	.525	.529	.576	.583	.586	.583	.567	.549	.535	.513	.506	.561	.471
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1998	.2454	.2673	.2880	.2971	.3078	.3336	.3539	.3849	.4107	.4698	.6528	1.0000
RP10/A	.3317	.4147	.4582	.4879	.5059	.5226	.5687	.5968	.6496	.6865	.7727	1.0925	1.5570
RP25/A	.4038	.5119	.5648	.6073	.6398	.6687	.7321	.7621	.8246	.8631	.9813	1.3919	1.9387
RP50/A	.4660	.5825	.6436	.6946	.7198	.7426	.7902	.8297	.8952	.9338	1.0442	1.4946	2.0392
RP100/A	.5227	.6513	.7204	.7800	.8002	.8335	.8811	.9245	.9943	1.0327	1.1526	1.6623	2.2303
RP1000/A	.7027	.8718	.9666	1.0554	1.0932	1.1265	1.1706	1.2283	1.3076	1.3431	1.4936	2.1981	2.8254
RP10000/A	.8775	1.0847	1.2043	1.3229	1.3700	1.4112	1.4683	1.5187	1.6000	1.6365	1.8188	2.7082	3.3833
PMP/A	1.6802	2.1414	2.3841	2.5512	2.6409	2.7181	2.9411	3.0717	3.3484	3.4973	3.8592	5.4608	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
Y01 2034 50	TEMESCAL WTR CO	480	25	035	07W		S	33.873	117.566	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	3650
2	1.93	2.53	2.82	2.99	3.11	3.27	3.58	3.81	4.28	4.63	5.30	7.06
5	2.93	3.88	4.38	4.66	4.84	5.08	5.50	5.82	6.52	6.96	7.86	10.61
10	3.61	4.79	5.41	5.79	6.01	6.30	6.76	7.14	7.96	8.43	9.47	12.94
20	4.26	5.64	6.39	6.87	7.13	7.46	7.94	8.38	9.30	9.79	10.96	15.12
25	4.46	5.91	6.70	7.21	7.48	7.83	8.32	8.76	9.72	10.21	11.42	15.81
40	4.88	6.40	7.34	7.91	8.21	8.59	9.08	9.56	9.92	11.07	12.36	17.21
50	5.08	6.72	7.64	8.24	8.56	8.95	9.43	9.93	10.97	11.47	12.80	17.87
100	5.69	7.52	8.55	9.25	9.61	10.05	10.52	11.07	12.19	12.69	14.13	19.68
200	6.23	8.30	9.44	10.25	10.64	11.18	11.68	12.30	13.48	13.98	15.42	21.83
1000	7.65	10.05	11.47	12.52	13.00	13.58	13.97	14.68	16.03	16.50	18.31	26.26
10000	9.55	12.52	14.29	15.29	15.79	17.01	17.29	18.14	19.69	20.10	22.26	32.38
PMP	18.29	24.72	28.29	30.27	31.40	32.76	35.10	36.77	41.02	42.96	47.30	65.29

MEAN	2.175	2.633	3.171	3.393	3.532	3.711	3.982	4.236	4.718	5.045	5.758	7.805
CLOCK NR. COR.	1.153	1.920	1.959	1.928	1.913	1.910	1.908	1.900	1.890	1.880	1.860	1.800
CALCULATED SKEW	1.153	1.920	1.959	1.928	1.913	1.910	1.908	1.900	1.890	1.880	1.860	1.800
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200

KURTOSIS	6.336	5.151	4.791	4.290	4.128	4.251	4.098	3.874	3.999	4.615	4.149	6.791
RECORD YEAR	61	61	61	61	61	61	61	61	61	61	61	61
RECORD MAXIMUM	5.311	7.620	6.380	9.080	9.080	9.080	10.620	10.620	13.300	13.300	14.950	24.470
NORMALIZED MAX	2.837	3.114	3.050	2.932	2.788	2.943	2.950	2.790	2.637	3.041	2.940	4.058
CALC. COEF. VAR	.540	.543	.559	.572	.564	.565	.565	.544	.566	.556	.543	.526
REGION. COEF. VAR	.494	.513	.528	.528	.528	.522	.522	.512	.512	.501	.481	.491
USED COEF. VAR	.494	.513	.528	.528	.528	.522	.522	.512	.512	.501	.481	.491

MEAN/A	.1753	.2284	.2556	.2735	.2847	.2991	.3210	.3414	.3803	.4067	.4641	.6291
RP10/A	.2911	.3859	.4363	.4665	.4848	.5078	.5451	.5758	.6419	.6798	.7634	1.0432
RP25/A	.3596	.4783	.5401	.5808	.6033	.6313	.6701	.7064	.7833	.8228	.9202	1.2740
RP50/A	.4497	.5420	.6155	.6642	.6898	.7215	.7602	.8005	.8846	.9246	1.0317	1.4404
RP100/A	.5587	.6661	.7659	.8359	.8743	.9096	.9476	.9825	1.0229	1.1389	1.6020	2.2303
RP1000/A	.6167	.8112	.9244	1.0093	1.0476	1.0945	1.1262	1.1931	1.2920	1.3298	1.4757	2.1165
RP10000/A	.7701	1.0093	1.1517	1.2651	1.3128	1.3711	1.3933	1.4624	1.5869	1.6203	1.7940	2.6100
PMP/A	1.4746	1.9926	2.2800	2.4397	2.5307	2.6409	2.8294	2.9636	3.3066	3.4628	3.8129	5.2627

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
Y01 2775 0	EL MODENA	464	24	045	09W	L	S	33.800	117.762	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	3650
2	2.28	2.88	3.07	3.14	3.21	3.36	3.71	4.04	4.51	4.94	5.88	7.57
5	3.46	4.43	4.76	4.89	4.99	5.21	5.71	6.18	6.87	7.42	8.71	11.38
10	4.28	5.46	5.89	6.06	6.20	6.46	7.06	7.58	8.39	8.99	10.50	13.88
20	5.02	6.43	6.96	7.21	7.35	7.66	8.24	8.89	9.80	10.44	12.14	16.21
25	5.26	6.74	7.30	7.57	7.71	8.03	8.62	9.29	10.23	10.89	12.69	16.94
40	5.75	7.37	7.99	8.31	8.46	8.81	9.42	10.14	10.45	11.80	13.70	18.45
50	5.99	7.67	8.32	8.66	8.82	9.18	9.78	10.53	11.50	12.23	14.18	19.16
100	6.70	8.57	9.31	9.72	9.90	10.30	10.91	11.74	12.84	13.53	15.66	21.31
200	7.41	9.46	10.28	10.77	10.97	11.41	12.01	12.91	14.08	14.78	17.09	23.41
1000	9.01	11.48	12.49	13.15	13.39	13.93	14.50	15.57	16.88	17.59	20.29	28.15
10000	11.26	14.28	15.56	16.49	16.78	17.45	17.93	19.24	20.73	21.44	24.67	34.71
PMP	21.55	28.19	30.80	31.79	32.35	33.40	36.42	38.99	43.20	45.81	52.43	70.00

MEAN	2.963	3.231	3.453	3.564	3.639	3.806	4.131	4.493	4.968	5.380	6.382	8.368
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.725	1.490	1.251	1.185	1.238	1.268	.898	.820	.706	.679	1.215	1.641
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200

KURTOSIS	7.429	5.842	4.468	3.879	4.086	4.405	3.304	3.419	2.843	3.214	4.495	6.151
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1941	1941	1941
RECORD MAXIMUM	6.380	8.100	8.780	8.780	9.100	9.780	9.850	10.640	10.990	11.740	16.100	23.300
NORMALIZED MAX	2.772	2.739	2.855	2.559	2.667	2.810	2.560	2.688	2.399	2.258	2.922	3.211
CALC. COEF. VAR	.537	.550	.561	.572	.561	.549	.516	.516	.516	.501	.481	.491
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491

MEAN/A	.1875	.2364	.2526	.2608	.2662	.2784	.3023	.3287	.3635	.3936	.4669	.6122
RP10/A	.3113	.3994	.4313	.4448	.4534	.4727	.5134	.5543	.6135	.6579	.7674	1.0152
RP25/A	.3846	.4930	.5339	.5537	.5684	.5877	.6310	.6800	.7487	.7964	.9257	1.2357
RP50/A	.4381	.5516	.6064	.6372	.6561	.6716	.7159	.7707	.8455	.8949	1.0378	1.4071
RP100/A	.4905	.6272	.6810	.7112	.7243	.7539	.7982	.8587	.9390	.9897	1.1437	1.5589
RP1000/A	.6595	.8396	.9137	.9623	.9797	1.0189	1.0605	1.1390	1.2349	1.2872	1.4845	2.0596
RP10000/A	.8236	1.0446	1.1384	1.2062	1.2278	1.2764	1.3121	1.4078	1.5168	1.5683	1.8047	2.5398
PMP/A	1.5770	2.0623	2.2536	2.3668	2.4505	2.5965	2.8530	3.1605	3.5916	3.8356	5.1212	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65N ORDER SUB Y01 2895 0	STATION NAME ETIWA NDA		ELEV 1390	SEC 32	TWP 01N	RNG LOT 08W	8MM 5	LATITUDE 34.125	LONGITUDE 117.525	COUNTY COO 36			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	3.11	4.27	4.46	4.62	4.89	5.12	5.52	5.90	6.47	7.05	8.15	11.05	18.78
5	4.71	6.56	6.92	7.20	7.61	7.94	8.50	9.01	9.85	10.60	12.08	16.41	26.42
10	5.80	8.09	8.36	8.95	9.45	9.86	10.44	11.05	12.02	12.64	14.30	20.26	31.16
20	6.84	9.53	10.11	10.62	11.20	11.68	12.27	12.96	14.05	14.91	16.84	23.67	35.49
25	7.17	9.99	10.59	11.14	11.76	12.25	12.84	13.56	14.67	15.55	17.55	24.74	36.82
40	7.85	10.92	11.60	12.23	12.90	13.45	14.01	14.78	14.98	16.89	19.00	26.94	39.55
50	8.17	11.36	12.07	12.74	13.44	14.01	14.56	15.36	16.57	17.47	19.67	27.97	40.61
100	9.14	12.70	13.51	14.31	15.09	15.72	16.24	17.11	18.40	19.32	21.72	31.11	44.63
200	10.10	14.02	14.93	15.85	16.72	17.41	17.86	18.83	20.19	21.11	23.70	34.18	48.33
1000	12.29	17.00	18.13	19.36	20.42	21.25	21.57	22.70	24.20	25.13	28.14	41.10	56.55
10000	15.35	21.16	22.59	24.27	25.58	26.62	26.69	28.06	29.73	30.62	34.21	50.68	67.71
PMP	29.39	41.77	44.72	46.86	49.32	51.27	54.26	56.88	61.94	65.43	72.71	102.19	144.90

MEAN	3.495	4.787	5.014	5.266	5.568	5.866	6.149	6.550	7.124	7.684	8.851	12.217	20.013
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.365	1.052	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.100	1.000	1.000	1.200	1.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.900
KURTOSIS	4.788	7.053	5.847	4.462	4.248	4.249	3.962	3.936	3.512	3.068	3.194	4.510	2.682
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1949	1949	1949	1949	1941
RECORD MAXIMUM	7.780	14.050	14.140	14.140	14.080	15.280	15.080	16.870	18.790	20.210	31.910	39.230	
NORMALIZED MAX	2.219	3.257	3.183	2.871	2.810	2.750	2.595	2.600	2.586	2.600	2.641	3.019	2.475
CALC. COEF. VAR	.554	.592	.572	.550	.585	.593	.572	.536	.529	.516	.466	.534	.388
REDN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1746	.2392	.2505	.2621	.2772	.2901	.3072	.3273	.3580	.3840	.4422	.6104	1.0000
RP10/A	.2899	.4042	.4254	.4472	.4721	.4925	.5218	.5519	.6008	.6418	.7274	1.0122	1.5570
RP25/A	.3582	.4989	.5294	.5566	.5874	.6123	.6414	.6771	.7332	.7769	.8768	1.2361	1.8397
RP50/A	.4680	.6577	.6932	.7366	.7717	.8098	.8476	.8820	.9429	.9829	.1.0930	1.3976	2.0392
RP100/A	.5568	.8348	.8753	.9145	.9542	.9855	.1.0116	.1.0551	.1.1966	.1.2554	1.0852	1.5344	2.2303
RP1000/A	.8141	.8497	.9080	.9674	1.0201	1.0817	1.0780	1.1342	1.2094	1.2559	1.4081	2.0838	2.6284
RP10000/A	.7670	1.0572	1.1268	1.2124	1.2784	1.3300	1.3337	1.4019	1.4653	1.5298	1.7094	2.5324	3.3633
PMP/A	1.4666	2.0871	2.2346	2.3363	2.4643	2.5617	2.7083	2.8410	3.0950	3.2694	3.6330	5.1083	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65N ORDER SUB Y01 3336 21	STATION NAME GARDEN DRIVE CO YD	ELEV 90	SEC 32	TWP 01N	RNG LDT 08W	LATITUDE 33.771	LONGITUDE 117.934	COUNTY COO 30
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MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D
2	2.06	2.55	2.79	2.84	10.83
5	3.13	3.92	4.34	4.43	15.46
10	3.85	4.83	5.37	5.51	18.60
20	4.54	5.70	6.34	6.53	21.59
25	4.76	5.97	6.64	6.85	22.53
40	5.21	6.53	7.27	7.52	24.49
50	5.42	6.79	7.57	7.84	25.41
100	6.07	7.59	8.47	8.80	28.22
200	6.71	8.38	9.36	9.75	30.99
1000	6.16	10.16	11.37	11.91	37.29
10000	10.19	12.65	14.16	14.93	46.10
PMP	19.51	24.96	28.04	28.79	66.54
MEAN	2.320	2.861	3.143	3.228	11.953
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	1.356	1.165	.532	.404	1.933
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400
KURTOSIS	5.533	4.988	2.919	2.468	6.520
RECORD YEAR	1956	1956	1956	1956	1941
RECORD MAXIMUM	4.730	6.080	6.880	6.880	31.100
NORMALIZED MAX	2.537	2.622	2.417	2.317	3.473
CALC. COEF. VAR	.409	.498	.492	.468	.461
REDN. COEF. VAR	.494	.515	.528	.528	.516
USED COEF. VAR	.494	.515	.528	.528	.516
MEAN/A	.1941	.2394	.2629	.2700	1.0000
RP10/A	.3223	.4044	.4489	.4606	1.5580
RP25/A	.3981	.4993	.5557	.5734	1.0851
RP50/A	.4535	.5681	.6332	.6559	2.1285
RP100/A	.5078	.6352	.7086	.7364	2.3609
RP1000/A	.6027	.8502	.9510	.9965	3.1198
RP10000/A	.8825	1.0579	1.1840	1.2491	3.8865
PMP/A	1.6324	2.0885	2.3455	2.4087	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 3458 11	STATION NAME OLEN IVY	ELEV 1100	SEC 03	TWP 055	RNG LOT 06W	BWM 5	LATITUDE 33.766	LONGITUDE 117.487	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.14	4.03	4.50	4.75	4.96	5.17	5.48	5.76	6.48	6.95	7.77	10.25	14.89
5	4.77	6.19	6.99	7.40	7.72	8.02	8.43	8.79	9.87	10.44	11.51	15.42	20.95
10	5.87	7.64	8.65	9.20	9.59	9.95	10.36	10.78	12.06	12.65	13.87	18.80	24.71
20	6.92	9.00	10.21	10.91	11.37	11.79	12.17	12.65	14.08	14.69	16.05	21.97	28.14
25	7.25	9.45	10.70	11.45	11.94	12.37	12.73	13.23	14.71	15.32	16.72	22.96	29.20
40	7.94	10.31	11.72	12.57	13.10	13.58	13.90	14.43	15.02	15.61	16.10	25.01	31.36
50	8.26	10.73	12.20	13.09	13.65	14.14	14.44	14.99	15.61	16.21	16.75	25.96	32.37
100	9.25	12.00	13.65	14.70	15.32	15.87	16.11	16.71	18.45	19.03	20.64	28.07	35.40
200	10.22	13.24	15.08	16.29	16.97	17.58	17.73	18.38	20.24	20.80	22.59	31.72	38.33
1000	12.44	16.05	18.32	19.70	20.73	21.45	21.40	22.14	24.27	24.75	26.81	38.14	44.85
10000	15.53	19.98	22.82	24.94	25.97	26.87	26.48	27.39	29.80	30.16	32.60	47.04	53.70
PMP	29.74	39.44	45.18	48.09	50.07	51.76	53.76	55.51	62.10	64.46	69.28	94.85	114.92
MEAN	3.536	4.520	5.065	5.391	5.632	5.862	6.099	6.395	7.142	7.570	8.434	11.339	15.873
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.848	1.710	1.782	1.685	1.600	1.535	1.467	1.400	1.342	1.296	1.291	1.892	1.091
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	5.925	5.688	6.083	5.537	5.305	5.120	4.872	4.616	4.389	4.340	4.645	7.802	4.238
N	52	52	52	52	52	52	52	52	52	52	52	52	67
RECORD YEAR	1943	1969	1969	1969	1969	1969	1969	1916	1916	1916	1969	1969	1969
RECORD MAXIMUM	8.880	12.280	15.330	15.530	16.230	16.330	16.880	16.980	18.560	19.800	21.650	37.850	42.050
NORMALIZED MAX	2.415	2.844	3.212	3.060	3.115	3.010	3.037	2.928	2.775	2.894	2.976	4.105	3.437
CALC. COEF. VAR	.426	.604	.631	.615	.604	.593	.582	.565	.576	.558	.527	.570	.460
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2228	.2848	.3191	.3397	.3548	.3693	.3843	.4029	.4500	.4769	.5313	.7144	1.0000
RP10/A	.4819	.6293	.7094	.7594	.7971	.8270	.8526	.8794	.7595	.7971	.8739	1.1845	1.5570
RP25/A	.4569	.5940	.6744	.7213	.7519	.7795	.8022	.8335	.9268	.9649	1.0534	1.4466	1.8397
RP50/A	.5205	.6759	.7684	.8249	.8598	.8909	.9100	.9446	1.0466	1.0843	1.1810	1.6355	2.0392
RP100/A	.5828	.7557	.8602	.9264	.9654	1.0000	1.0148	1.0525	1.1624	1.1991	1.3038	1.8190	2.2303
RP1000/A	.7835	1.0116	1.1541	1.2534	1.3058	1.3516	1.3482	1.3961	1.5287	1.5595	1.6894	2.4032	2.8254
RP10000/A	.9784	1.2586	1.4379	1.5712	1.6364	1.6931	1.6680	1.7256	1.8776	1.9001	2.0537	2.9635	3.3633
PMP/A	1.8735	2.4848	2.8466	3.0299	3.1544	3.2611	3.3872	3.4970	3.9124	4.0508	4.3649	5.9755	7.2400

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 4173 11	STATION NAME HUNTINGTON BEACH	ELEV 35	SEC TWP 055	RNG LOT 06W	BWM 33.661	LATITUDE 117.999	COUNTY CODE 30
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS							
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70
2	1.81	2.26	2.48	2.59	10.13		
5	2.74	3.48	3.85	4.04	14.46		
10	3.38	4.29	4.76	5.02	17.40		
20	3.98	5.05	5.63	5.96	20.20		
25	4.18	5.29	5.90	6.25	21.08		
40	4.57	5.79	6.46	6.86	22.91		
50	4.76	6.02	6.72	7.15	23.77		
100	5.33	6.74	7.52	8.03	26.40		
200	5.88	7.43	8.31	8.89	28.99		
1000	7.16	9.02	10.09	10.86	34.89		
10000	8.94	11.22	12.57	13.61	43.13		
PMP	17.12	22.15	24.89	26.25	80.97		
MEAN	2.036	2.538	2.791	2.943	11.183		
CLOCK HR. COR.	1.130	1.070	1.040	1.020	1.010		
CALCULATED SKEW	1.330	.463	.211	.249	.179		
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400		
SKEW USED	1.400	1.300	1.300	1.400	1.400		
KURTOSIS	3.419	2.617	2.202	2.867	6.336		
N	41	41	41	41	41		
RECORD YEAR	1937	1937	1947	1967	1941		
RECORD MAXIMUM	3.610	4.450	5.060	6.040	29.480		
NORMALIZED MAX	2.042	1.837	1.939	2.566	3.727		
CALC. COEF. VAR	.379	.410	.419	.410	.439		
REGN. COEF. VAR	.494	.515	.528	.528	.516		
USED COEF. VAR	.494	.515	.528	.528	.516		
MEAN/A	.1820	.2270	.2496	.2632	1.0000		
RP10/A	.3022	.3835	.4260	.4489	1.5560		
RP25/A	.3733	.4734	.5273	.5588	1.8851		
RP50/A	.4253	.5387	.6009	.6391	2.1255		
RP100/A	.4762	.6023	.6726	.7177	2.3609		
RP1000/A	.6402	.8062	.9025	.9712	3.1195		
RP10000/A	.7995	1.0031	1.1244	1.2173	3.8565		
PMP/A	1.5308	1.9803	2.2260	2.3475	7.2400		

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB Y01 4173 21	MUNTINGTON BEACH CO	75	02	063	11W	F	5	33.680	118.000	30

RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION 0=DAYS H=HOURS				
		10	20	30	40	W YR
2	1.88	2.33	2.57	2.70	10.46	
5	2.85	3.58	3.99	4.21	14.93	
10	3.51	4.41	4.93	5.23	17.97	
20	4.14	5.20	5.83	6.21	20.85	
25	4.33	5.44	6.11	6.52	21.76	
40	4.74	5.96	6.69	7.15	23.65	
50	4.94	6.20	6.96	7.45	24.54	
100	5.53	6.93	7.79	8.37	27.26	
200	6.11	7.45	8.61	9.27	29.93	
1000	7.43	9.27	10.45	11.32	36.02	
10000	9.28	11.54	13.02	14.20	44.52	
PMP	17.77	22.78	25.76	27.37	83.59	
MEAN	2.113	2.610	2.891	3.069	11.545	
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000	
CALCULATED SKEW	.898	.698	.636	.611	.601	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	
SKEW USED	1.400	1.300	1.300	1.400	1.400	
KURTOSIS	3.529	2.973	1.983	1.821	4.761	
N	31	33	33	32	34	
RECORD YEAR	1937	1956	1956	1956	1941	
RECORD MAXIMUM	3.880	5.190	5.210	5.210	27.990	
NORMALIZED MAX	1.821	2.085	1.730	1.591	3.173	
CALC. COEF. VAR	.459	.474	.464	.438	.449	
REGN. COEF. VAR	.494	.515	.528	.528	.416	
USED COEF. VAR	.494	.515	.528	.528	.416	
MEAN/A	.1830	.2261	.2504	.2658	1.0000	
RP10/A	.3039	.3820	.4274	.4534	1.5560	
RP25/A	.3754	.4716	.5291	.5644	1.8851	
RP50/A	.4276	.5366	.6029	.6455	2.1255	
RP100/A	.4788	.6000	.6748	.7250	2.3609	
RP1000/A	.6437	.8032	.9055	.9809	3.1195	
RP10000/A	.8039	.9993	1.1281	1.2296	3.8565	
PMP/A	1.5392	1.9728	2.2333	2.3711	7.2400	

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB Y01 4300 1	IRVINE CO AUTOMATIC	197						33.677	117.759	30

RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION 0=DAYS H=HOURS				
		10	20	30	40	W YR
2	2.22	2.54	2.75	2.87	11.24	
5	3.37	3.90	4.27	4.47	16.05	
10	4.15	4.81	5.28	5.55	19.30	
20	4.89	5.67	6.24	6.59	22.41	
25	5.12	5.94	6.54	6.91	23.39	
40	5.61	6.50	7.16	7.59	25.42	
50	5.84	6.76	7.45	7.90	26.37	
100	6.53	7.55	8.36	8.88	29.29	
200	7.22	8.34	9.21	9.83	32.16	
1000	8.78	10.11	11.19	12.01	38.70	
10000	10.97	12.58	13.94	15.05	47.84	
PMP	21.00	24.84	27.68	29.03	89.82	
MEAN	2.497	2.847	3.094	3.254	12.406	
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000	
CALCULATED SKEW	.899	1.444	1.277	1.005	1.061	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	
SKEW USED	1.400	1.300	1.300	1.400	1.400	
KURTOSIS	3.826	4.696	4.559	3.894	3.924	
N	30	30	31	30	33	
RECORD YEAR	1969	1943	1969	1969	1941	
RECORD MAXIMUM	4.740	6.750	7.680	7.660	27.210	
NORMALIZED MAX	1.998	2.380	2.603	2.579	2.658	
CALC. COEF. VAR	.449	.576	.570	.549	.449	
REGN. COEF. VAR	.494	.515	.528	.528	.416	
USED COEF. VAR	.494	.515	.528	.528	.416	
MEAN/A	.2013	.2295	.2494	.2623	1.0000	
RP10/A	.3342	.3877	.4257	.4475	1.5560	
RP25/A	.4129	.4786	.5270	.5570	1.8851	
RP50/A	.4704	.5446	.6005	.6371	2.1255	
RP100/A	.5206	.6090	.6722	.7154	2.3609	
RP1000/A	.7080	.8151	.9019	.9680	3.1195	
RP10000/A	.8841	1.0142	1.1237	1.2134	3.8565	
PMP/A	1.6929	2.0022	2.2245	2.3400	7.2400	

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY CODE
Y01 4300 7	IRVINE-LIMESTONE	1000						33-771	117-720	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	W YR					
2	2.71	3.33	3.93	3.87	15.03					
5	4.11	5.12	5.47	6.03	21.45					
10	5.07	6.31	6.77	7.49	25.80					
20	5.97	7.44	8.00	8.89	29.95					
25	6.26	7.79	8.38	9.33	31.26					
40	6.85	8.52	9.16	10.24	33.97					
50	7.13	8.86	9.55	10.67	35.25					
100	7.98	9.91	10.69	11.98	39.15					
500	8.82	10.94	11.81	13.27	42.99					
1000	10.73	13.26	14.34	16.21	51.73					
10000	13.40	16.50	17.87	20.31	63.95					
PMP	25.66	32.58	35.38	39.18	120.06					
MEAN	3.051	3.734	3.966	4.392	16.583					
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000					
CALCULATED SKEW	1.296	1.485	1.369	1.185	1.066					
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400					
SKEW USED	1.400	1.300	1.300	1.400	1.400					
KURTOSIS	4.087	4.777	4.510	3.614	3.731					
N	46	49	47	49	49					
RECORD YEAR	1943	1956	1969	1969	1941					
RECORD MAXIMUM	7.040	10.160	11.150	11.300	34.950					
NORMALIZED MAX	2.468	2.705	2.860	2.643	2.675					
CALC. COEF. VAR	.577	.618	.633	.595	.414					
REGN. COEF. VAR	.494	.515	.528	.528	.416					
USED COEF. VAR	.494	.515	.528	.528	.416					
MEAN/A	.1840	.2252	.2392	.2648	1.0000					
RP10/A	.3054	.3805	.4083	.4517	1.5560					
RP25/A	.3773	.4697	.5054	.5624	1.8891					
RP50/A	.4298	.5344	.5759	.6432	2.1255					
RP100/A	.4813	.5976	.6447	.7223	2.3609					
RP1000/A	.6470	.7999	.8650	.9773	3.1195					
RP10000/A	.8080	.9952	1.0777	1.2250	3.8565					
PMP/A	1.5472	1.9648	2.1335	2.3624	7.2400					

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	R/W	LATITUDE	LONGITUDE	COUNTY CODE
Y01 4300 9	IRVINE CO SHADY CAMP	300						33-657	117-798	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	W YR					
2	2.23	2.67	2.88	3.03	11.87					
5	3.39	4.10	4.47	4.72	16.94					
10	4.17	5.05	5.53	5.87	20.38					
20	4.92	5.95	6.53	6.96	23.66					
25	5.18	6.24	6.84	7.31	24.69					
40	5.64	6.82	7.49	8.02	26.83					
50	5.87	7.10	7.80	8.36	27.84					
100	6.58	7.93	8.73	9.38	30.92					
200	7.27	8.76	9.64	10.39	33.95					
1000	8.84	10.62	11.71	12.70	40.86					
10000	11.04	13.21	14.59	15.92	50.51					
PMP	21.14	26.08	28.88	30.69	94.82					
MEAN	2.514	2.990	3.238	3.441	13.097					
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000					
CALCULATED SKEW	1.336	1.456	1.196	1.000	.923					
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400					
SKEW USED	1.400	1.300	1.300	1.400	1.400					
KURTOSIS	6.098	6.472	4.904	4.705	3.883					
N	71	76	76	74	75					
RECORD YEAR	1905	1905	1905	1905	1941					
RECORD MAXIMUM	5.970	7.420	8.220	9.020	28.560					
NORMALIZED MAX	3.243	3.279	3.288	3.561	2.977					
CALC. COEF. VAR	.424	.452	.468	.455	.397					
REGN. COEF. VAR	.494	.515	.528	.528	.416					
USED COEF. VAR	.494	.515	.528	.528	.416					
MEAN/A	.1919	.2283	.2472	.2627	1.0000					
RP10/A	.3187	.3857	.4220	.4481	1.5560					
RP25/A	.3937	.4761	.5224	.5578	1.8891					
RP50/A	.4485	.5417	.5952	.6380	2.1255					
RP100/A	.5021	.6057	.6663	.7165	2.3609					
RP1000/A	.6751	.8108	.8940	.9694	3.1195					
RP10000/A	.8430	1.0088	1.1138	1.2152	3.8565					
PMP/A	1.6142	1.9916	2.2049	2.3433	7.2400					

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 4300 20	STATION NAME IRVINE CO SALT WORKS	ELEV 55	SEC TWP RNG LOT 8WN	LATITUDE 33.654	LONGITUDE 117.864	COUNTY CODE 30
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RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS				
		10	20	30	40	W YR
2	1.70	2.17	2.30	2.45	9.54	
5	2.57	3.34	3.57	3.81	13.61	
10	3.17	4.12	4.41	4.74	16.38	
20	3.74	4.85	5.21	5.62	19.01	
25	3.92	5.08	5.46	5.90	19.84	
40	4.29	5.56	5.98	6.48	21.56	
50	4.46	5.78	6.22	6.75	22.37	
100	4.98	6.47	6.97	7.55	24.95	
200	5.52	7.14	7.69	8.39	27.28	
1000	6.71	8.66	9.35	10.25	32.83	
10000	8.39	10.77	11.64	12.85	40.59	
PMP	16.06	21.26	23.05	24.78	70.20	
MEAN	1.969	2.437	2.584	2.778	10.524	
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000	
CALCULATED SKEW	.724	.559	1.103	1.218	1.070	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	
SKEW USED	1.400	1.300	1.300	1.400	1.400	
KURTOSIS	3.680	2.904	3.942	4.482	4.068	
N	23	25	24	24	25	
RECORD YEAR	1969	1969	1969	1967	1952	
RECORD MAXIMUM	3.390	4.550	5.540	6.350	22.150	
NORMALIZED MAX	1.914	1.970	2.258	2.497	2.371	
CALC. COEF. VAR	.405	.440	.506	.515	.466	
REGN. COEF. VAR	.494	.515	.528	.528	.416	
USED COEF. VAR	.494	.515	.528	.528	.416	
MEAN/A	.1814	.2315	.2456	.2640	1.0000	
RP10/A	.3012	.3912	.4192	.4503	1.5560	
RP25/A	.3721	.4829	.5189	.5605	1.8851	
RP50/A	.4239	.5495	.5913	.6411	2.1255	
RP100/A	.4746	.6144	.6619	.7199	2.3609	
RP1000/A	.6380	.8224	.8881	.9741	3.1195	
RP10000/A	.7968	1.0232	1.1055	1.2211	3.8565	
PMP/A	1.5257	2.0200	2.1704	2.3547	7.2400	

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 4729 0	STATION NAME LAMBERT RES AUTOMATI	ELEV 470	SEC TWP RNG LOT 05S 08W	LATITUDE 33.694	LONGITUDE 117.711	COUNTY CODE 30
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RETURN PERIOD IN YEARS		MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS				
		10	20	30	40	W YR
2	1.93	2.27	2.42	2.55	10.62	
5	2.92	3.49	3.75	3.97	15.16	
10	3.50	4.30	4.64	4.94	18.24	
20	4.24	5.07	5.48	5.86	21.17	
25	4.44	5.31	5.74	6.15	22.10	
40	4.87	5.81	6.29	6.75	24.01	
50	5.05	6.04	6.54	7.03	24.91	
100	5.67	6.76	7.32	7.90	27.67	
200	6.26	7.46	8.09	8.75	30.39	
1000	7.62	9.05	9.83	10.69	36.57	
10000	9.52	11.26	12.24	13.40	45.21	
PMP	18.22	22.22	24.24	25.84	84.87	
MEAN	2.167	2.547	2.717	2.896	11.722	
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000	
CALCULATED SKEW	1.999	2.551	2.044	1.714	1.396	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	
SKEW USED	1.400	1.300	1.300	1.400	1.400	
KURTOSIS	7.630	10.435	7.156	5.657	4.449	
N	23	23	23	23	23	
RECORD YEAR	1956	1956	1956	1956	1952	
RECORD MAXIMUM	4.980	7.610	7.610	7.610	23.250	
NORMALIZED MAX	2.529	3.235	2.892	2.740	2.304	
CALC. COEF. VAR	.513	.639	.648	.617	.427	
REGN. COEF. VAR	.494	.515	.528	.528	.416	
USED COEF. VAR	.494	.515	.528	.528	.416	
MEAN/A	.1849	.2173	.2310	.2471	1.0000	
RP10/A	.3089	.3671	.3957	.4215	1.5560	
RP25/A	.3792	.4532	.4898	.5247	1.8851	
RP50/A	.4320	.5197	.5562	.6001	2.1255	
RP100/A	.4836	.5766	.6240	.6739	2.3609	
RP1000/A	.6502	.7718	.8383	.9118	3.1195	
RP10000/A	.8120	.9603	1.0445	1.1429	3.8565	
PMP/A	1.5548	1.8959	2.0677	2.2041	7.2400	

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
Y01 4892 11	LEMON HOTS SPRINGER	350					33.757	117.760	30
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS									
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	90
2	1.89	2.38	2.58	2.86	10.71				
5	2.87	3.86	4.00	4.14	15.20				
10	3.54	4.51	4.95	5.14	18.39				
20	4.17	5.32	5.85	6.10	21.35				
25	4.37	5.57	6.13	6.40	22.28				
40	4.79	6.09	6.71	7.03	24.21				
50	4.98	6.34	6.99	7.33	25.12				
100	5.58	7.08	7.82	8.23	27.90				
200	6.16	7.82	8.64	9.11	30.64				
1000	7.50	9.48	10.49	11.13	36.87				
10000	9.36	11.80	13.07	13.95	45.58				
PMP	17.92	23.29	25.88	26.90	85.57				
MEAN	2.131	2.670	2.902	3.018	11.819				
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000				
CALCULATED SKEW	1.271	1.358	1.377	1.390	1.438				
REGIONAL SKEW	1.400	1.300	1.300	1.300	1.400				
SKEW USED	1.400	1.300	1.300	1.400	1.400				
KURTOSIS	3.456	5.454	3.770	3.289	5.988				
RECORD YEAR	24	24	24	24	25				
RECORD MAXIMUM	1958	1958	1956	1956	1958				
NORMALIZED MAX	3.280	6.120	5.180	4.180	25.350				
CALC. COEF. VAR	1.471	2.053	2.214	2.053	2.735				
REGN. COEF. VAR	.366	.485	.510	.511	.418				
USED COEF. VAR	.494	.515	.528	.528	.416				
MEAN/A	.1803	.2259	.2455	.2552	1.0000				
RP10/A	.2994	.3817	.4191	.4353	1.5540				
RP25/A	.3699	.4711	.5108	.5419	1.8851				
RP50/A	.4214	.5361	.5912	.6198	2.1255				
RP100/A	.4718	.5994	.6617	.6960	2.3609				
RP1000/A	.6342	.8023	.8879	.9418	3.1195				
RP10000/A	.7920	.9983	1.1062	1.1805	3.8585				
PMP/A	1.9166	1.9708	2.1899	2.2764	7.2400				

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
Y01 5215 1	LYTLE CREEK PH		2225	06	01N 05W		S	34.202	117.450	36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	4.21	5.82	6.63	7.19	7.68	8.09	8.91	9.83	10.90	12.02	13.87	18.59	30.98	
5	6.39	8.94	10.29	11.20	11.94	12.54	13.70	14.72	16.60	18.06	20.55	27.95	43.58	
10	7.86	11.02	12.73	13.92	14.84	15.56	16.84	18.05	20.26	21.69	24.77	34.09	51.41	
20	9.27	12.99	15.03	16.51	17.59	18.44	19.79	21.17	23.67	25.40	28.65	39.83	58.54	
25	9.71	13.60	15.75	17.32	18.46	19.35	20.71	22.14	24.73	26.49	29.86	41.63	60.74	
40	10.63	14.88	17.25	19.02	20.26	21.23	22.60	24.15	25.25	28.73	32.33	45.33	65.24	
50	11.07	15.48	17.95	19.81	21.11	22.11	23.49	25.09	27.02	29.77	33.47	47.07	67.33	
100	12.39	17.31	20.09	22.25	23.70	24.82	26.19	27.98	31.01	32.92	36.95	52.35	73.64	
200	13.69	19.10	22.20	24.65	26.25	27.48	28.83	30.76	34.02	35.98	40.33	57.51	79.73	
1000	16.66	23.17	26.96	30.11	32.06	33.55	34.80	37.08	40.79	42.82	47.88	69.16	93.29	
10000	20.80	28.83	33.59	37.74	40.17	42.02	43.05	45.84	50.09	52.17	58.21	85.28	111.70	
PMP	39.63	56.91	66.50	72.77	77.44	80.94	87.43	92.89	104.38	111.49	123.71	171.96	239.04	
CLOCK HR. COR.	MEAN	4.736	6.522	7.485	8.158	8.711	9.166	9.918	10.702	12.005	13.093	15.080	20.557	33.017
CALCULATED SKEW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
REGIONAL SKEW	4.025	2.842	2.931	2.410	2.562	2.721	2.962	2.594	2.382	2.314	2.168	2.203	1.196	
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900	
KURTOSIS	25.618	14.087	13.179	11.011	12.570	14.177	16.959	13.096	12.115	12.178	10.614	11.076	5.449	
RECORD YEAR	N	71	71	71	71	71	71	71	71	71	71	71	71	
RECORD MAXIMUM	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	
NORMALIZED MAX	24.920	28.700	31.920	33.360	36.580	39.420	44.710	44.977	47.710	50.880	53.800	74.330	62.960	
CALC. COEF. VAR	6.327	5.422	5.251	4.926	5.155	5.362	5.677	5.364	5.115	5.157	4.840	5.007	4.010	
REGN. COEF. VAR	.674	.627	.625	.627	.621	.618	.597	.597	.581	.580	.532	.522	.377	
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416	
MEAN/A	.1434	.1975	.2258	.2471	.2638	.2776	.3004	.3241	.3636	.3966	.4551	.6226	1.0000	
RP10/A	.2302	.3338	.3854	.4215	.4493	.4713	.5102	.5466	.6137	.6629	.7502	1.0324	1.6397	
RP25/A	.2942	.4120	.4771	.5247	.5591	.5860	.6271	.6706	.7489	.8024	.9043	1.2608	1.9397	
RP50/A	.3352	.4688	.5437	.6001	.6393	.6697	.7114	.7600	.8457	.9016	1.0138	1.4255	2.0392	
RP100/A	.3753	.5242	.6086	.6759	.7178	.7517	.7933	.8468	.9393	.9971	1.1192	1.5854	2.2303	
RP1000/A	.5045	.7017	.8186	.9118	.9709	1.0160	1.0540	1.1232	1.2353	1.2968	1.4502	2.0945	2.8254	
RP10000/A	.6300	.8730	1.0174	1.1429	1.2168	1.2728	1.3040	1.3683	1.5172	1.5801	1.7630	2.5829	3.3633	
PMP/A	1.2064	1.7236	2.0141	2.2040	2.3455	2.4515	2.6480	2.8134	3.1615	3.3767	3.7470	5.2082	7.2400	

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 12 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 9629 0	STATION NAME MILL CREEK 2	ELEV 2940	SEC 13	TWP 01S	RNG LOT 02W	8WM 34+003	LATITUDE 117+003	LONGITUDE 36	COUNTY CODE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.46	3.33	3.79	4.08	4.34	4.64	4.97	5.31	6.12	6.52	7.71	11.07	21.97
5	3.69	5.09	5.85	6.26	6.70	7.08	7.53	8.09	9.21	9.80	11.51	16.69	30.53
10	4.54	6.30	7.28	7.77	8.33	8.77	9.30	10.01	11.34	12.07	14.13	20.57	35.94
20	5.36	7.47	8.65	9.21	9.90	10.39	11.00	11.85	13.38	14.25	16.66	24.29	40.92
25	5.62	7.84	9.08	9.67	10.40	10.91	11.54	12.43	14.03	14.94	17.45	25.47	42.46
40	6.16	8.61	9.98	10.62	11.43	11.97	12.65	13.65	15.38	16.37	19.11	27.92	45.62
50	6.41	8.97	10.41	11.07	11.91	12.48	13.18	14.22	16.01	17.05	19.89	29.08	47.89
100	7.19	10.08	11.71	12.40	13.30	14.02	14.86	15.97	17.96	19.12	22.29	32.62	51.55
200	7.96	11.16	13.00	13.80	14.87	15.54	16.39	17.70	19.88	21.16	24.66	36.12	55.88
500	9.71	13.68	15.94	16.91	18.23	19.02	20.03	21.05	24.26	25.84	30.06	44.11	65.55
1000	12.18	17.26	20.00	21.26	22.95	23.91	25.15	27.05	32.42	32.40	37.66	55.33	78.78
PMP	22.66	32.15	37.62	39.79	43.63	44.69	48.92	50.79	56.63	60.30	69.95	103.05	162.71
MEAN	2.773	3.783	4.319	4.641	4.948	5.267	5.629	6.029	6.919	7.367	8.689	12.521	23.497
CLOCK HR. COR.	1.146	1.070	1.040	1.020	1.010	1.010	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.736	1.604	1.604	1.620	1.620	1.087	1.014	1.112	1.014	1.092	1.083	1.436	1.502
REGIONAL SKEW	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000
SKEW USED	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000
KURTOSIS	3.635	3.449	3.914	4.383	4.235	3.620	3.314	3.584	3.045	3.138	2.653	2.075	2.616
N	39	39	39	39	39	39	39	39	39	39	39	39	45
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1922	1922	1922	1916	1943	1937
RECORD MAXIMUM	4.930	7.990	9.940	11.240	11.550	11.860	11.920	12.840	13.830	15.420	16.240	20.830	38.580
NORMALIZED MAX	2.055	2.351	2.777	3.003	2.905	2.731	2.499	2.633	2.313	2.515	2.267	1.857	2.453
CALC. COEF. VAR	.378	.473	.469	.474	.459	.458	.447	.429	.432	.435	.383	.357	.262
REGN. COEF. VAR	.478	.500	.514	.505	.513	.499	.489	.495	.479	.479	.470	.462	.395
USED COEF. VAR	.478	.500	.514	.505	.513	.499	.489	.495	.479	.479	.470	.462	.395
MEAN/A	1.180	1.610	1.838	1.975	2.106	2.241	2.396	2.566	2.945	3.135	3.698	5.329	1.0000
RP10/A	1.933	2.683	3.098	3.305	3.547	3.733	3.957	4.259	4.825	5.138	6.016	8.753	1.5295
RP25/A	2.391	3.337	3.865	4.115	4.424	4.642	4.909	5.291	5.971	6.358	7.428	1.0841	1.8069
RP50/A	2.728	3.818	4.430	4.711	5.070	5.310	5.609	6.050	6.814	7.255	8.666	1.2375	2.0041
RP100/A	3.089	4.291	4.984	5.297	5.764	5.997	6.429	6.976	7.642	8.137	9.487	1.3803	2.1939
RP1000/A	4.133	5.823	6.782	7.195	7.760	8.099	8.826	9.213	1.0326	1.0995	1.2795	1.8771	2.7898
RP10000/A	5.182	7.319	8.539	9.049	9.769	1.0175	1.0704	1.1575	1.2948	1.3788	1.6026	2.3547	3.3530
PMP/A	9.643	13.685	16.009	16.936	18.312	19.019	19.967	21.618	24.101	25.663	29.770	43.886	69.250

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 9632 0	STATION NAME MILL CREEK INTAKE	ELEV 4945	SEC 13	TWP 01S	RNG LOT 01W C 5	8WM 34+009	LATITUDE 116+939	LONGITUDE 36	COUNTY CODE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.15	4.07	4.35	4.67	4.97	5.22	5.67	6.19	6.92	7.58	8.83	12.21	23.04
5	4.78	6.25	6.75	7.28	7.72	8.10	8.72	9.46	10.54	11.39	13.67	18.36	32.41
10	5.09	7.71	8.35	9.05	9.60	10.05	10.72	11.60	12.87	13.80	16.76	22.39	38.23
20	6.09	9.08	9.87	10.74	11.38	11.91	12.59	13.90	15.04	16.02	18.23	26.17	43.93
25	7.28	9.52	10.34	11.27	11.94	12.50	13.17	14.23	15.71	16.71	19.00	27.34	45.17
40	7.97	10.41	11.32	12.37	13.11	13.71	14.38	15.52	16.04	18.12	20.57	29.78	48.52
50	8.25	10.83	11.78	12.89	13.48	14.08	14.95	16.12	17.74	18.77	21.30	30.92	50.76
100	9.28	12.11	13.19	14.47	15.33	16.03	16.87	17.97	20.70	20.76	23.51	34.39	54.76
200	10.26	13.36	14.57	16.03	16.98	17.75	18.35	19.77	21.61	22.69	25.66	37.77	59.29
500	12.48	16.21	17.70	19.38	20.73	21.67	22.14	23.83	25.93	27.00	30.47	45.43	69.37
1000	15.38	20.16	22.05	24.54	25.99	27.15	27.30	29.46	31.82	32.90	37.04	56.02	83.07
PMP	29.83	39.81	43.65	47.33	50.69	52.29	55.63	59.49	66.31	70.31	78.72	112.96	177.76
MEAN	3.548	4.562	4.894	5.306	5.634	5.921	6.311	6.877	7.626	8.258	9.582	13.904	24.552
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.087	1.412	1.620	2.097	2.068	1.079	1.510	1.386	1.154	.935	.937	.834	.905
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	8.113	4.777	5.618	6.309	6.886	7.764	5.800	5.336	4.381	3.494	3.273	2.814	3.433
RECORD YEAR	1966	1967	1967	1967	1967	1967	1967	1967	1966	1966	1966	1958	1931
RECORD MAXIMUM	9.790	11.100	13.070	16.220	17.640	17.970	17.970	18.120	18.280	18.280	21.170	26.520	47.440
NORMALIZED MAX	3.016	2.594	3.031	3.645	3.810	3.719	3.395	3.136	2.762	2.475	2.533	2.341	2.538
CALC. COEF. VAR	.383	.352	.351	.364	.359	.347	.344	.321	.306	.267	.267	.247	.267
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.445	1.858	1.993	2.161	2.295	2.412	2.570	2.801	3.106	3.363	3.983	5.500	1.0000
RP10/A	2.399	3.140	3.403	3.686	3.968	4.095	4.365	4.724	5.243	5.622	6.641	9.120	1.5570
RP25/A	2.964	3.876	4.212	4.589	4.863	5.090	5.365	5.795	6.398	6.805	7.738	1.1327	1.6397
RP50/A	3.376	4.410	4.860	5.248	5.561	5.818	6.087	6.508	7.225	7.617	8.675	1.2592	2.0382
RP100/A	3.788	4.931	5.373	5.894	6.244	6.530	6.768	7.318	8.024	8.436	9.577	1.4005	2.2303
RP1000/A	5.002	6.600	7.269	7.975	8.455	8.826	9.018	9.707	1.0553	1.0998	1.2409	1.8503	2.8254
RP10000/A	6.346	8.212	8.981	9.996	1.0564	1.1056	1.1157	1.1998	1.2961	1.3401	1.5088	2.2817	3.3833
PMP/A	12.152	16.213	17.780	19.277	20.402	21.296	22.697	24.314	27.007	28.639	32.063	46.007	72.408

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB Y01 5900 0	MT BALDY FC85	4275	19	02N	07W		S	34.237	117.669	70

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	5.56	7.48	8.21	8.67	9.00	9.38	10.23	10.90	11.77	12.67	14.38	18.89	30.81
5	8.44	11.50	12.74	13.50	13.99	14.55	15.73	16.66	17.92	19.04	21.29	28.11	43.34
10	10.39	14.18	15.76	16.78	17.38	18.06	19.34	20.43	21.88	23.07	25.67	34.28	51.12
20	12.25	16.71	18.62	19.91	20.61	21.40	22.72	23.98	25.58	26.78	29.70	40.07	58.22
25	12.84	17.50	19.51	20.89	21.63	22.45	23.77	25.05	26.71	27.92	30.94	41.87	60.41
40	14.05	19.15	21.36	22.93	23.74	24.63	25.95	27.34	27.27	30.28	33.50	45.60	64.88
50	14.81	19.92	22.23	23.89		25.46	26.97	28.41	30.16	31.37	34.69	47.34	66.96
100	16.37	22.27	24.89	26.83	27.77	28.80	30.07	31.65	33.50	34.70	38.30	52.85	73.23
200	18.09	24.58	27.49	29.72	30.76	31.89	33.10	34.82	36.75	37.92	41.80	57.84	79.29
1000	22.01	29.81	33.39	36.31	37.55	38.92	39.95	41.88	44.05	45.13	49.62	69.58	92.77
10000	27.49	37.09	41.80	45.51	47.07	48.76	49.43	51.89	54.10	54.98	60.33	85.77	111.09
PMF	52.63	73.22	82.36	87.76	90.74	93.92	100.37	105.16	112.74	117.51	128.21	172.95	237.72
MEAN	6.259	8.392	9.233	9.838	10.207	10.636	11.387	12.115	12.966	13.800	15.607	20.676	32.834
CLOCK HR. COR.	1.140	1.676	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.231	1.753	1.044	1.539	1.483	1.935	2.244	2.226	2.160	1.999	2.048	2.216	1.330
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	4.398	7.183	5.827	5.208	5.092	7.590	9.779	9.418	8.921	8.286	9.178	9.252	4.985
N	54	54	54	54	54	54	54	54	54	54	54	54	54
RECORD YEAR	1943	1943	1943	1943	1943	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	15.370	27.180	27.990	28.800	29.090	30.240	47.080	48.180	50.160	50.840	56.750	79.330	88.800
NORMALIZED MAX	2.625	3.561	3.048	2.958	2.883	3.910	4.407	4.315	4.204	4.116	4.358	4.321	3.596
CALC. COEF. VAR	.585	.620	.652	.682	.688	.711	.690	.682	.652	.605	.687	.474	
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
MEAN/A	.1906	.2556	.2812	.2996	.3109	.3239	.3468	.3690	.3949	.4203	.4753	.6297	1.0000
RP10/A	.3165	.4318	.4800	.5111	.5294	.5499	.5890	.6222	.6665	.7025	.7818	1.0442	1.5570
RP25/A	.3910	.5331	.5942	.6362	.6587	.6837	.7240	.7634	.8133	.8504	.9423	1.2751	1.8397
RP50/A	.4454	.6065	.6771	.7277	.7532	.7814	.8213	.8651	.9185	.9555	1.0565	1.4417	2.0392
RP100/A	.4986	.6782	.7580	.8172	.8457	.8771	.9158	.9640	1.0201	1.0567	1.1664	1.6035	2.2303
RP1000/A	.6704	.9678	1.0170	1.0557	1.1439	1.1855	1.2167	1.2766	1.3418	1.3744	1.5113	2.1184	2.8254
RP10000/A	.8372	1.1295	1.2843	1.3840	1.4216	1.4850	1.5054	1.5694	1.6478	1.6746	1.8373	2.6123	3.3833
PMF/A	1.6030	2.2299	2.5983	2.8727	2.9335	2.8663	3.0570	3.2028	3.4335	3.5787	3.9448	5.2875	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB Y01 6175 0	NEWPORT BEACH HARBOR	8						33.603	117.899	39

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	1D	2D	3D	4D	5 YR
2	1.87	2.28	2.47	2.57	9.81
5	2.83	3.50	3.83	4.00	14.00
10	3.49	4.32	4.74	4.97	18.85
20	4.11	5.09	5.60	5.90	19.56
25	4.31	5.33	5.87	6.19	20.41
40	4.72	5.84	6.43	6.79	22.18
50	4.91	6.07	6.69	7.08	23.01
100	5.50	6.79	7.49	7.95	25.56
200	6.08	7.49	8.27	8.80	28.07
1000	7.39	9.08	10.04	10.75	33.78
10000	9.23	11.30	12.51	13.48	41.76
PMF	17.67	22.31	24.77	26.00	78.39
MEAN	2.101	2.558	2.777	2.914	10.827
CLOCK HR. COR.	1.140	1.676	1.040	1.020	1.000
CALCULATED SKEW	1.231	1.753	1.044	1.539	1.483
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400
KURTOSIS	2.701	4.035	3.725	3.908	5.533
N	51	51	51	51	51
RECORD YEAR	1969	1969	1969	1969	1941
RECORD MAXIMUM	5.420	6.280	6.870	7.210	28.170
NORMALIZED MAX	1.044	2.658	2.761	3.033	3.668
CALC. COEF. VAR	.421	.421	.446	.448	.437
REGN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416
MEAN/A	.1941	.2362	.2505	.2692	1.0000
RP10/A	.3222	.3991	.4378	.4591	1.5560
RP25/A	.3961	.4927	.5420	.5716	1.8851
RP50/A	.4535	.5606	.6176	.6537	2.1255
RP100/A	.5077	.6268	.6913	.7341	2.3609
RP1000/A	.6828	.8390	.9276	.9933	3.1195
RP10000/A	.8924	1.0439	1.1558	1.2451	3.9565
PMF/A	1.6322	2.0609	2.2878	2.4010	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE
Y01 6435 71	OLIVE HEIGHTS	230						33-837	117-845	30
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	70	80	90	100
2	2.45	3.24	3.39	3.40	12.05					
5	3.72	4.97	5.26	5.30	18.34					
10	4.58	6.13	6.51	6.59	22.07					
20	5.41	7.23	7.69	7.82	25.62					
25	5.66	7.57	8.06	8.21	26.74					
40	6.20	8.28	8.83	9.01	29.06					
50	6.45	8.19	8.76	8.93	30.15					
100	7.22	9.63	10.28	10.54	33.49					
200	7.98	10.63	11.36	11.68	36.77					
1000	9.71	12.89	13.80	14.26	44.25					
10000	12.13	16.34	17.19	17.68	54.70					
PMP	23.22	31.67	34.04	34.47	102.69					
MEAN	2.761	3.630	3.616	3.865	14.184					
CLOCK MR. COR.	1.140	1.870	1.040	1.020	1.000					
CALCULATED SKEW	.954	1.212	.935	.862	1.290					
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400					
SKEW USED	1.400	1.300	1.300	1.400	1.400					

KURTOSIS	3.475	4.161	3.237	3.202	4.321					
N	28	28	28	28	28					
RECORD YEAR	1943	1943	1943	1943	1941					
RECORD MAXIMUM	5,620	8,860	6,930	8,930	32,980					
NORMALIZED MAX	2,013	2,369	2,243	2,304	2,701					
CALC. COEF. VAR	.494	.514	.498	.491	.491					
REGION. COEF. VAR	.494	.515	.528	.528	.416					
USED COEF. VAR	.494	.515	.528	.528	.416					
MEAN/A	.1947	.2559	.2690	.2725	1.0000					
RP10/A	.3232	.4324	.4592	.4648	1.5560					
RP25/A	.3993	.5337	.5685	.5786	1.8851					
RP50/A	.4549	.6073	.6476	.6617	2.1255					
RP100/A	.5093	.6791	.7251	.7431	2.3609					
RP1000/A	.6847	.9090	.9729	1.0055	3.1195					
RP10000/A	.8550	1.1307	1.2121	1.2603	3.8565					
PMP/A	1.6372	2.2327	2.3996	2.4304	7.2400					

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND	LOT	BWN	LATITUDE	LONGITUDE	COUNTY CODE			
Y01 6472 1	ORANGE	215	32	045	09W	8	5	33.788	117.841	30			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.13	2.67	2.91	3.01	3.22	3.36	3.60	3.92	4.44	4.84	5.63	7.28	12.44
5	3.23	4.10	4.51	4.69	5.00	5.22	5.54	5.99	6.76	7.28	8.34	10.84	17.49
10	3.96	5.06	5.50	5.83	6.21	6.47	6.81	7.34	8.25	8.82	10.05	13.35	20.64
20	4.69	5.96	6.51	6.97	7.37	7.67	8.00	8.61	9.64	10.24	11.63	15.60	23.50
25	4.91	6.24	6.91	7.26	7.73	8.05	8.37	9.01	10.07	10.68	12.11	16.30	24.36
40	5.38	6.83	7.56	7.96	8.49	8.83	9.14	9.83	10.28	11.58	13.11	17.75	26.19
50	5.60	7.10	7.87	8.30	8.84	9.20	9.50	10.21	11.37	12.00	13.58	18.43	27.03
100	6.27	7.94	8.81	9.32	9.93	10.32	10.59	11.38	12.63	13.27	14.99	20.49	29.56
200	6.93	8.77	9.73	10.32	10.99	11.43	11.66	12.52	13.86	14.50	16.35	22.92	32.01
1000	8.43	10.63	11.82	12.61	13.43	13.95	14.07	15.09	16.61	17.25	19.43	27.00	37.45
10000	10.52	13.23	14.73	15.80	16.83	17.46	17.41	18.65	20.40	21.02	23.62	33.39	44.84
PMP	20.15	26.12	29.15	30.48	32.44	33.66	35.35	37.80	42.52	44.93	50.19	67.33	95.96
MEAN	2.396	2.993	3.268	3.417	3.648	3.812	4.010	4.354	4.890	5.277	6.110	8.049	13.254
CLOCK MR. COR.	1.140	1.870	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.761	1.308	1.026	1.071	.968	.962	.912	.952	.807	.621	.637	.984	1.161
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.246	5.084	3.581	3.971	3.786	3.758	3.477	3.219	2.571	2.747	2.797	3.607	4.709
N	60	60	60	79	60	60	60	60	60	60	60	60	60
RECORD YEAR	1956	1956	1956	1938	1938	1939	1939	1937	1938	1952	1938	1941	1941
RECORD MAXIMUM	4,498	7,370	7,500	8,940	8,630	9,230	9,540	10,140	11,580	12,730	16,620	31,030	
NORMALIZED MAX	2.073	3.617	2.572	2.790	2.751	2.750	2.805	2.561	2.362	2.637	2.418	3.025	3.458
CALC. COEF. VAR	.422	.485	.503	.485	.480	.479	.464	.461	.454	.453	.448	.475	.406
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1808	.2256	.2466	.2578	.2753	.2876	.3026	.3205	.3669	.3961	.4610	.6073	1.0000
RP10/A	.3801	.5016	.5437	.5634	.6003	.6139	.6540	.6827	.7592	.8055	.9139	1.2297	1.9397
RP25/A	.4707	.6110	.6611	.6874	.7359	.7509	.7979	.8317	.9317	.9855	1.1244	1.3993	2.0392
RP50/A	.5223	.6866	.7438	.7701	.8200	.8359	.8833	.9131	1.0100	1.0511	1.2112	1.5463	2.2303
RP100/A	.5749	.7593	.8286	.8549	.9038	.9188	1.0000	1.0385	1.1365	1.1857	1.3657	1.6829	2.4284
RP1000/A	.7617	.9822	.9810	.9513	1.0130	1.0526	1.0016	1.1395	1.2535	1.3019	1.4681	2.0429	2.8234
RP10000/A	.7939	.9898	1.1111	1.1924	1.2695	1.3166	1.1314	1.4072	1.5395	1.5862	1.7618	2.5192	3.3833
PMP/A	1.5202	1.9704	2.1995	2.4472	2.5398	2.6672	2.8517	3.0517	3.2079	3.3899	3.7669	5.0797	7.2400

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BMM	LATITUDE	LONGITUDE	COUNTY
Y01 6776 21	PEDLEY SDF	710	26	025	06W	5	33.975	117.485	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.70	2.19	2.32	2.51	2.73	2.76	2.99	3.19	3.58	3.76	4.40	5.90	9.49
5	2.57	3.36	3.60	3.92	4.25	4.29	4.59	4.87	5.45	5.66	6.51	8.87	13.63
10	3.17	4.15	4.46	4.87	5.28	5.32	5.64	5.97	6.65	6.86	7.85	10.82	16.08
20	3.74	4.89	5.27	5.77	6.26	6.30	6.63	7.00	7.77	7.96	9.08	12.55	18.32
25	3.91	5.12	5.52	6.06	6.57	6.61	6.94	7.32	8.11	8.30	9.47	13.22	19.00
40	4.29	5.60	6.04	6.65	7.21	7.25	7.57	7.99	8.28	9.00	10.25	13.49	20.41
50	4.46	5.83	6.29	6.93	7.51	7.56	7.87	8.30	9.16	9.33	10.61	14.94	21.07
100	4.98	6.52	7.04	7.78	8.44	8.48	8.78	9.25	10.18	10.31	11.72	16.62	23.04
200	5.52	7.19	7.68	8.42	9.35	9.39	9.66	10.16	11.22	11.32	12.92	18.26	24.95
1000	6.71	8.72	9.44	10.53	11.41	11.46	11.66	12.27	13.38	13.41	15.18	21.96	29.19
10000	8.38	10.85	11.77	13.20	14.30	14.36	14.43	15.16	16.44	16.34	18.45	27.08	34.95
PMP	16.05	21.42	23.29	25.46	27.57	27.66	29.30	30.73	34.25	34.92	39.22	54.60	74.79
MEAN	1.908	2.455	2.611	2.854	3.101	3.133	3.324	3.541	3.939	4.101	4.775	6.527	10.330
CLOCK HR. COR.	1.140	1.670	1.850	2.050	2.250	2.280	2.480	2.680	3.080	3.240	3.910	5.660	9.000
CALCULATED SKEW	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.000	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.334	5.126	4.592	3.000	3.340	3.346	3.674	3.797	3.655	3.817	4.174	9.502	5.352
N	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1969	1959	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.100	5.170	5.350	5.400	5.980	6.110	6.760	7.080	8.330	9.500	17.830	22.590	32.590
NORMALIZED MAX	1.432	2.389	2.188	1.889	2.111	2.119	2.346	2.349	2.325	2.371	2.459	3.380	2.783
CALC. COEF. VAR	.436	.463	.479	.472	.440	.449	.440	.423	.446	.435	.402	.512	.426
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1847	2.2377	2.5268	2.763	3.002	3.032	3.217	3.427	3.813	3.970	4.622	6.318	1.0000
RP10/A	3.3067	4.016	4.315	4.713	5.113	5.146	5.444	5.78	6.436	6.637	7.602	1.0477	1.5570
RP25/A	3.789	4.957	5.342	5.867	6.362	6.400	6.717	7.091	7.854	8.034	9.163	1.2795	1.8397
RP50/A	4.317	5.641	6.087	6.710	7.275	7.315	7.620	8.036	8.869	9.027	1.0273	1.4466	2.0392
RP100/A	4.833	6.307	6.814	7.535	8.168	8.211	8.477	8.954	9.983	1.1342	1.6089	2.2303	
RP1000/A	6.697	8.842	9.143	1.0195	1.1048	1.1098	1.1288	1.1877	1.2955	1.2984	1.4495	2.1255	2.8254
RP10000/A	8.114	1.0504	1.1391	1.2779	1.3845	1.3902	1.3966	1.4680	1.5912	1.5820	1.7865	2.6212	3.3833
PMP/A	1.5537	2.0737	2.2550	2.4644	2.6689	2.6776	2.8361	2.9750	3.3155	3.3809	3.7970	5.2554	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BMM	LATITUDE	LONGITUDE	COUNTY
Y01 6818 11	PERRIS S D F	1452	30	044	05W	5	33.788	117.229	33

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.65	2.12	2.35	2.53	2.66	2.76	2.94	3.14	3.43	3.64	4.45	5.74	9.36
5	2.51	3.26	3.64	3.93	4.14	4.28	4.51	4.79	5.22	5.46	6.59	8.63	13.16
10	3.09	4.02	4.51	4.89	5.14	5.32	5.55	5.87	6.38	6.62	7.94	10.52	15.92
20	3.64	4.74	5.32	5.80	6.10	6.30	6.52	6.89	7.45	7.69	9.19	12.30	17.68
25	3.82	4.96	5.58	6.09	6.40	6.61	6.82	7.21	7.78	8.01	9.57	12.85	18.34
40	4.18	5.43	6.11	6.68	7.02	7.25	7.45	7.86	7.94	8.69	10.36	13.99	19.70
50	4.35	5.65	6.36	6.96	7.32	7.55	7.74	8.17	8.79	9.01	10.73	14.52	20.33
100	4.87	6.32	7.12	7.82	8.21	8.48	8.63	9.10	9.76	9.96	11.85	16.16	22.24
200	5.38	6.97	7.86	8.66	9.10	9.39	9.50	10.01	10.71	10.88	12.93	17.75	24.08
1000	6.54	8.45	9.55	10.58	11.11	11.46	11.46	12.07	12.83	12.95	15.35	21.35	28.17
10000	8.17	10.52	11.90	13.26	13.92	14.35	14.18	14.92	15.76	15.78	18.66	26.33	33.73
PMP	15.65	20.76	23.55	25.57	26.84	27.65	28.80	30.24	32.85	33.73	39.67	53.08	72.19
MEAN	1.861	2.386	2.640	2.866	3.019	3.131	3.267	3.484	3.778	3.961	4.829	6.346	9.970
CLOCK HR. COR.	1.140	1.670	1.850	2.050	2.250	2.280	2.480	2.680	3.080	3.240	3.910	5.660	9.000
CALCULATED SKEW	1.780	1.938	2.386	1.915	1.997	1.836	1.831	1.961	1.576	1.603	1.267	2.303	1.679
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	7.850	8.962	11.085	7.994	6.239	7.452	7.614	8.073	6.596	6.829	5.685	10.841	7.610
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.300	6.150	6.800	8.090	8.690	8.690	9.430	9.744	9.920	10.300	12.010	20.160	26.540
NORMALIZED MAX	2.797	3.262	3.645	3.401	3.435	3.338	3.491	3.500	3.282	3.296	3.122	3.857	3.471
CALC. COEF. VAR	.431	.465	.457	.437	.430	.427	.418	.412	.406	.406	.376	.452	.2392
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.066	2.287	2.648	2.875	3.028	3.140	3.277	3.494	3.789	3.973	4.843	6.365	1.0000
RP10/A	3.3099	4.033	4.520	4.904	5.157	5.331	5.566	5.892	6.395	6.641	7.965	1.0554	1.5570
RP25/A	3.828	4.978	5.595	6.104	6.417	6.628	6.841	7.229	7.804	8.039	9.501	1.2889	1.8397
RP50/A	4.361	5.685	6.376	6.881	7.338	7.575	7.761	8.192	8.813	9.013	1.0764	1.4572	2.0392
RP100/A	4.882	6.334	7.137	7.840	8.239	8.503	8.654	9.128	9.789	9.989	1.1884	1.6207	2.2303
RP1000/A	6.564	8.476	9.576	1.0608	1.1143	1.1492	1.1498	1.2108	1.2873	1.2992	1.5398	2.1412	2.8254
RP10000/A	8.197	1.0549	1.1931	1.3297	1.3965	1.4396	1.4228	1.4966	1.5811	1.5830	1.8719	2.6495	3.3833
PMP/A	1.5695	2.0825	2.3619	2.5662	2.6920	2.7729	2.8888	3.0328	3.2495	3.3829	3.9784	5.3241	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 7050 1	STATION NAME POMONA	ELEV 855	SEC 015	TWP 08W	RNG LOT S	NW 34.066	LATITUDE 117.773	LONGITUDE 70	COUNTY CODE				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.77	3.62	3.92	4.14	4.33	4.52	4.90	5.24	5.76	6.21	7.14	9.53	15.25
5	4.21	5.58	6.08	6.45	6.74	7.01	7.54	8.01	8.77	9.33	10.74	14.32	21.45
10	5.18	6.85	7.53	8.02	8.37	8.69	9.26	9.82	10.71	11.30	12.74	17.47	25.31
20	6.11	8.08	8.98	9.51	9.93	10.30	10.88	11.52	12.51	13.12	14.74	20.41	28.62
25	6.40	8.46	9.32	9.98	10.42	10.81	11.39	12.05	13.07	13.68	15.36	21.33	29.90
40	7.11	9.25	10.26	10.96	11.44	11.86	12.43	13.16	14.04	14.64	16.43	23.23	33.15
50	7.49	9.63	10.62	11.42	11.92	12.35	12.92	13.65	14.76	15.37	17.22	24.12	35.15
100	8.17	10.76	11.89	12.82	13.38	13.87	14.40	15.21	16.39	17.00	19.01	26.83	36.25
200	9.03	11.88	13.13	14.20	14.82	15.35	15.85	16.74	17.98	18.58	20.75	29.47	39.25
1000	10.98	14.41	15.95	17.35	18.10	18.74	19.13	20.18	21.58	22.11	24.63	35.44	45.93
10000	13.71	17.92	19.87	21.74	22.68	23.48	23.67	24.94	26.48	26.94	29.94	43.70	54.99
PMP	26.26	35.39	39.33	41.93	43.72	45.22	48.07	50.54	55.17	57.98	63.64	88.12	117.68
MEAN	3.122	4.056	4.410	4.701	4.917	5.121	5.454	5.822	6.345	6.762	7.747	10.535	16.294
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.541	.528	.504	.481	.468	.454	.433	.411	.383	.359	.318	.181	.010
REGIONAL SKEW	1.400	1.300	1.300	1.300	1.300	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900
SKEW USED	1.400	1.300	1.300	1.300	1.300	1.300	1.200	1.100	1.000	1.000	1.000	1.000	.900
KURTOSIS	2.912	3.007	3.062	3.109	3.254	3.299	3.482	3.681	3.594	3.130	3.095	4.236	3.081
N	47	47	47	47	47	47	47	47	47	47	47	47	47
RECORD YEAR	1956	1943	1927	1938	1938	1938	1969	1969	1938	1938	1938	1938	1938
RECORD MAXIMUM	5.700	6.770	6.790	10.600	11.480	11.480	12.100	12.180	15.660	15.660	16.500	24.860	32.540
NORMALIZED MAX	1.942	2.457	2.493	2.493	2.429	2.416	2.200	2.100	2.005	2.001	2.016	2.427	2.427
CALC. COEF. VAR	.425	.473	.489	.503	.504	.511	.504	.482	.503	.499	.450	.483	.413
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1921	.2495	.2713	.2892	.3025	.3151	.3355	.3582	.3904	.4160	.4766	.6481	1.0000
RP10/A	.3189	.4216	.4631	.4933	.5152	.5349	.5698	.6040	.6589	.6954	.7839	1.0747	1.5570
RP25/A	.3819	.5024	.5513	.5831	.6050	.6249	.6650	.7041	.7611	.8040	.8817	1.3124	1.8397
RP50/A	.4488	.5922	.6532	.7023	.7331	.7560	.7946	.8399	.9080	.9458	1.0594	1.4839	2.0392
RP100/A	.5025	.6621	.7312	.7887	.8231	.8530	.8861	.9358	1.0085	1.0460	1.1695	1.6504	2.2303
RP1000/A	.6755	.8863	.9811	1.0672	1.1133	1.1536	1.1772	1.2413	1.3263	1.3604	1.5154	2.1804	2.8254
RP10000/A	.8438	1.1028	1.2224	1.3177	1.3952	1.4443	1.4865	1.5343	1.6288	1.6576	1.8422	2.6887	3.3833
PMP/A	1.6153	2.1771	2.4199	2.5708	2.6895	2.7819	2.9576	3.1092	3.3942	3.5423	3.9154	5.4215	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 7123 0	STATION NAME PRADO DAM	ELEV 560	SEC 20	TWP 03S	RNG LOT 07W P	NW S	LATITUDE 33.890	LONGITUDE 117.636	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.08	3.37	3.48	3.47	3.63	3.91	4.20	4.52	4.80	5.51	7.56	12.30
5	3.66	4.73	5.23	5.42	5.40	5.63	6.01	6.41	6.89	7.22	8.17	11.37	17.30
10	4.51	5.83	6.47	6.73	6.71	6.98	7.39	7.86	8.41	8.75	9.85	13.87	20.41
20	5.32	6.87	7.64	7.98	7.95	8.27	8.68	9.22	9.82	10.15	11.39	16.21	23.25
25	5.57	7.20	8.01	8.38	8.35	8.68	9.08	9.65	10.26	10.59	11.87	16.93	24.12
40	6.10	7.87	8.77	9.20	9.16	9.52	9.91	10.52	10.48	11.48	12.85	18.44	25.91
50	6.34	8.19	9.12	9.58	9.54	9.92	10.30	10.93	11.59	11.90	13.31	19.15	26.73
100	7.10	9.15	10.21	10.76	10.72	11.13	11.49	12.18	12.87	13.18	14.69	21.29	29.24
200	7.85	10.10	11.28	11.92	11.87	12.33	12.64	13.40	14.12	14.38	16.03	23.39	31.66
1000	9.55	12.25	13.70	14.56	14.49	15.05	15.26	16.16	16.93	17.11	19.03	28.13	37.04
10000	11.93	15.25	17.07	18.25	18.16	18.85	18.88	19.97	20.79	20.85	23.14	34.69	44.36
PMP	22.84	36.10	33.80	35.20	35.02	36.31	38.34	40.47	43.32	44.56	49.17	69.96	94.92
MEAN	2.715	3.450	3.789	3.946	3.939	4.112	4.349	4.663	4.982	5.233	5.986	8.383	13.110
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.125	1.059	1.068	1.057	1.016	1.102	1.058	1.085	1.085	1.084	1.013	1.001	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	4.672	4.845	3.999	3.547	4.287	4.290	3.621	3.121	2.961	3.092	3.622	6.521	3.366
N	35	34	33	32	35	32	34	34	35	34	35	35	35
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	6.020	8.590	9.080	9.080	9.030	10.320	10.360	10.430	10.820	11.390	13.090	22.710	26.720
NORMALIZED MAX	2.467	2.727	2.488	2.468	2.877	2.888	2.714	2.502	2.474	2.341	2.699	3.428	2.480
CALC. COEF. VAR	.489	.546	.598	.532	.520	.523	.512	.494	.474	.503	.440	.501	.419
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2671	.2631	.2896	.3810	.3004	.3136	.3317	.3557	.3806	.3991	.4566	.6379	1.0000
RP10/A	.3439	.4446	.4934	.5134	.5117	.5325	.5634	.5998	.6414	.6672	.7510	1.0577	1.5570
RP25/A	.4248	.5488	.6109	.6391	.6367	.6620	.6925	.7358	.7827	.8076	.9052	1.2717	1.8397
RP50/A	.4840	.6245	.6960	.7310	.7280	.7566	.7886	.8339	.8838	.9075	1.0149	1.4004	2.0392
RP100/A	.5429	.6983	.7791	.8209	.8174	.8462	.8765	.9292	.9817	1.0036	1.1204	1.5570	2.2303
RP1000/A	.7285	.9347	1.0453	1.1077	1.1056	1.1476	1.1639	1.2325	1.2910	1.3052	1.4517	2.1459	2.8254
RP10000/A	.9097	1.1629	1.3024	1.3923	1.3855	1.4379	1.4400	1.5234	1.5856	1.5904	1.7648	2.6463	3.3833
PMP/A	1.7419	2.2959	2.5782	2.6849	2.6708	2.7695	2.9242	3.0872	3.3640	3.3967	3.7509	5.3359	7.2400

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 7284 1	STATION NAME RECHE CANYON	ELEV 1750	SEC 18	TWP 025	RNO LOT 03W	BWM 5	LATITUDE 33.995	LONGITUDE 117.231	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.94	2.59	2.80	2.98	3.16	3.32	3.60	3.87	4.35	4.64	5.40	7.32	12.92
5	2.94	3.98	4.35	4.64	4.91	5.15	5.54	5.92	6.62	6.98	8.00	11.01	18.17
10	3.92	5.38	5.76	6.10	6.39	6.68	7.19	7.69	8.51	8.91	10.43	14.43	22.41
20	4.27	5.79	6.36	6.84	7.24	7.57	8.04	8.51	9.44	9.81	11.15	15.70	24.41
25	4.47	6.06	6.67	7.18	7.59	7.94	8.37	8.91	9.86	10.23	11.62	16.40	25.33
40	4.90	6.63	7.30	7.88	8.33	8.72	9.14	9.72	10.07	11.10	12.58	17.86	27.20
50	5.09	6.90	7.60	8.21	8.68	9.08	9.50	10.09	11.14	11.50	13.03	18.55	28.07
100	5.70	7.71	8.50	9.22	9.75	10.19	10.59	11.25	12.37	12.72	14.38	20.63	30.70
200	6.30	8.51	9.39	10.21	10.80	11.28	11.66	12.37	13.57	13.90	15.70	22.66	33.24
1000	7.67	10.32	11.41	12.47	13.19	13.77	14.07	14.92	16.27	16.54	18.64	27.25	38.90
10000	9.58	12.84	14.21	15.63	16.53	17.25	17.41	18.44	19.99	20.15	22.66	33.61	46.58
PMP	18.34	25.35	28.14	30.14	31.86	33.23	35.36	37.37	41.64	43.06	48.18	67.76	89.57
MEAN	2.180	2.906	3.154	3.379	3.583	3.763	4.011	4.305	4.789	5.057	5.862	8.101	13.767
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.070	1.040	1.037	1.031	1.033	1.039	1.032	1.021	1.045	1.000	0.993	1.429	.958
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.717	3.303	3.968	4.373	5.165	4.623	3.922	4.492	3.930	3.945	3.732	5.438	3.847
RECORD YEAR	55	55	55	55	55	55	55	55	54	55	55	55	55
RECORD MAXIMUM	1938	1943	1927	1967	1967	1967	1967	1952	1922	1922	1922	1969	1937
NORMALIZED MAX	4.220	6.100	6.790	6.240	9.450	9.450	9.450	10.830	11.050	12.450	13.500	21.320	27.780
CALC. COEF. VAR	2.124	2.355	2.400	2.882	3.333	3.145	2.835	3.209	2.895	3.185	2.885	3.440	2.644
REGION. COEF. VAR	.440	.467	.480	.499	.491	.480	.478	.472	.452	.459	.452	.474	.305
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1584	.2111	.2291	.2455	.2603	.2733	.2914	.3127	.3479	.3674	.4258	.5884	1.0000
RP10/A	.2630	.3566	.3911	.4187	.4433	.4641	.4949	.5273	.5872	.6141	.7004	.9757	1.5570
RP25/A	.3268	.4402	.4842	.5212	.5516	.5769	.6083	.6469	.7166	.7433	.8442	1.1916	1.8397
RP50/A	.3701	.5009	.5517	.5961	.6367	.6694	.6901	.7332	.8092	.8352	.9465	1.3472	2.0392
RP100/A	.4143	.5601	.6176	.6695	.7082	.7401	.7695	.8169	.8988	.9237	1.0449	1.4983	2.2303
RP1000/A	.5570	.7497	.8286	.9059	.9579	1.0004	1.0223	1.0836	1.1820	1.2013	1.3539	1.9795	2.8254
RP10000/A	.6956	.9328	1.0324	1.1355	1.2004	1.2531	1.2948	1.3393	1.4517	1.4638	1.6459	2.4411	3.3833
PMP/A	1.3319	1.8415	2.0438	2.1898	2.3140	2.4137	2.5685	2.7142	3.0250	3.1282	3.4982	4.9222	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 7306 0	STATION NAME RED LANDS	ELEV 1318	SEC 28	TWP 015	RNO LOT 03W J	BWM 5	LATITUDE 34.052	LONGITUDE 117.191	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.73	2.34	2.53	2.71	2.89	3.08	3.35	3.60	4.16	4.61	5.34	7.25	13.03
5	2.62	3.80	3.93	4.23	4.50	4.78	5.16	5.49	6.34	6.93	7.91	10.90	18.33
10	3.23	4.43	4.86	5.25	5.59	5.93	6.34	6.74	7.84	8.40	9.54	13.29	21.62
20	3.81	5.23	5.74	6.23	6.63	7.02	7.45	7.90	9.04	9.78	11.04	15.53	24.63
25	3.99	5.47	6.01	6.54	6.96	7.37	7.79	8.26	9.45	10.16	11.50	16.23	25.55
40	4.37	5.99	6.58	7.18	7.64	8.09	8.51	9.01	9.65	11.02	12.45	17.68	27.44
50	4.54	6.23	6.85	7.48	7.96	8.42	8.84	9.37	10.67	11.42	12.89	18.35	28.32
100	5.09	6.96	7.67	8.40	8.93	9.45	9.86	10.44	11.89	12.63	14.23	20.41	30.97
200	5.62	7.69	8.47	9.30	9.90	10.47	10.85	11.48	13.00	13.80	15.53	22.42	33.54
1000	6.84	9.32	10.29	11.36	12.08	12.78	13.10	13.84	15.58	16.42	18.44	26.97	39.24
10000	8.54	11.80	12.82	14.24	15.14	16.01	16.20	17.11	19.14	20.01	22.42	33.25	46.69
PMP	16.35	22.90	25.38	27.46	29.19	30.83	32.90	34.67	39.88	42.77	47.64	67.05	100.55
MEAN	1.945	2.625	2.845	3.079	3.284	3.491	3.733	3.994	4.587	5.023	5.800	8.016	13.888
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.694	1.084	1.243	1.138	1.081	.977	.906	.994	.761	.735	.614	.933	.709
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	2.941	3.633	4.325	3.975	3.980	3.841	3.688	3.988	3.691	3.120	3.068	4.171	3.678
RECORD YEAR	82	82	82	82	82	82	81	81	81	81	81	80	86
RECORD MAXIMUM	1916	1943	1927	1927	1967	1943	1922	1922	1922	1922	1922	1999	1890
NORMALIZED MAX	3.440	5.700	6.970	7.190	7.630	8.010	8.380	8.980	10.170	11.450	12.470	20.740	28.230
CALC. COEF. VAR	2.032	2.505	3.105	2.872	2.872	2.654	2.761	3.325	2.729	2.903	2.779	3.166	1.897
REGION. COEF. VAR	.494	.452	.467	.465	.461	.455	.451	.443	.446	.441	.421	.449	.387
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1400	.1890	.2049	.2217	.2364	.2514	.2688	.2876	.3303	.3617	.4176	.5772	1.0000
RP10/A	.2325	.3193	.3497	.3782	.4027	.4268	.4565	.4850	.5575	.6045	.6869	.9371	1.5570
RP25/A	.2872	.3942	.4330	.4705	.5011	.5306	.5581	.5903	.6803	.7318	.8279	1.1686	1.8967
RP50/A	.3272	.4485	.4934	.5304	.5629	.5908	.6184	.6466	.7682	.8223	.9293	1.3215	2.0392
RP100/A	.3663	.5015	.5523	.6046	.6433	.6807	.7098	.7514	.8532	.9093	1.0248	1.4698	2.2303
RP1000/A	.4924	.6713	.7410	.8181	.8701	.9200	.9431	.9967	1.1221	1.1827	1.3278	1.9418	2.8254
RP10000/A	.6150	.8352	.9232	1.0255	1.0794	1.1525	1.1668	1.1919	1.3781	1.4410	1.6142	2.3435	3.3833
PMP/A	1.1776	1.6489	1.8276	1.9775	2.1020	2.2199	2.3694	2.4965	2.8717	3.0796	3.4307	4.8283	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65N ORDER SUB Y01 7469 1	STATION NAME RVSD CO FLOOD CONT	ELEV 820	SEC 14	TWP 025	RNG LOT 05W	8MM 3	LATITUDE 34.003	LONGITUDE 117.378	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.52	1.97	2.14	2.29	2.49	2.55	2.79	2.97	3.28	3.46	4.14	5.62	9.37
5	2.31	3.03	3.32	3.57	3.87	3.96	4.29	4.53	5.00	5.21	6.13	8.44	13.18
10	2.85	3.73	4.10	4.44	4.81	4.92	5.27	5.56	6.10	6.31	7.39	10.30	15.54
20	3.36	4.40	4.85	5.27	5.70	5.83	6.19	6.52	7.13	7.32	8.55	12.03	17.70
25	3.52	4.61	5.08	5.53	5.98	6.11	6.48	6.82	7.45	7.64	8.90	12.58	18.36
30	3.65	5.04	5.56	6.07	6.57	6.71	7.07	7.44	7.60	8.28	9.64	13.70	19.72
50	4.07	5.24	5.78	6.32	6.84	6.99	7.35	7.73	8.41	8.58	9.95	14.22	20.36
100	4.49	5.86	6.48	7.10	7.68	7.84	8.19	8.62	9.34	9.49	11.02	15.61	22.26
200	4.96	6.47	7.16	7.87	8.51	8.68	9.02	9.48	10.25	10.37	12.03	17.37	24.10
1000	6.03	7.84	8.69	9.61	10.39	10.60	10.89	11.43	12.28	12.34	14.28	20.69	28.20
10000	7.54	9.76	10.63	12.04	13.02	13.27	13.47	14.12	15.09	15.04	17.36	25.76	33.77
PMP	14.43	19.27	21.44	23.22	25.09	25.57	27.35	28.82	31.43	32.14	36.90	51.95	72.27
MEAN	1.716	2.208	2.404	2.603	2.823	2.896	3.103	3.298	3.615	3.775	4.492	6.210	9.982
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.258	.726	1.074	.877	1.018	1.011	.856	.764	.576	.847	1.262	2.413	1.171
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	2.502	3.687	4.647	3.571	3.733	3.810	3.722	3.284	3.058	4.234	6.055	11.701	5.641
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1966	1956	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	2.870	4.270	5.720	5.760	6.230	6.290	6.990	7.020	7.240	8.660	10.620	19.070	23.080
NORMALIZED MAX	1.069	2.069	2.706	2.322	2.354	2.380	2.568	2.408	2.189	2.770	3.123	3.894	3.108
CALC. COEF. VAR	.418	.451	.451	.513	.492	.489	.448	.448	.458	.467	.437	.532	.422
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1719	.2212	.2408	.2608	.2828	.2901	.3108	.3304	.3622	.3781	.4500	.6222	1.0000
RP10/A	.2854	.3738	.4111	.4449	.4816	.4925	.5279	.5571	.6113	.6321	.7401	1.0317	1.5570
RP25/A	.3525	.4614	.5089	.5538	.5992	.6123	.6489	.6835	.7460	.7651	.8921	1.2599	1.8397
RP50/A	.4016	.5250	.5799	.6334	.6852	.6986	.7361	.7746	.8400	.8587	1.0002	1.4245	2.0392
RP100/A	.4456	.5871	.6492	.7113	.7693	.7854	.8209	.8631	.9357	.9508	1.1046	1.5843	2.3032
RP1000/A	.6045	.7858	.8710	.9624	1.0406	1.0516	1.0966	1.1448	1.2305	1.2366	1.4307	2.0930	2.8254
RP10000/A	.7549	.9777	1.0852	1.2084	1.3041	1.3299	1.3493	1.4150	1.5113	1.5067	1.7392	2.5811	3.3833
PMP/A	1.4455	1.9302	2.1483	2.3264	2.5138	2.5614	2.7400	2.8676	3.1493	3.2199	3.6965	5.2044	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 65N ORDER SUB Y01 7470 0	STATION NAME RIVERSIDE FIRE STATION 3	ELEV 840	SEC 34	TWP 025	RNG LOT 05W	8MM 5	LATITUDE 33.950	LONGITUDE 117.383	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.54	1.97	2.13	2.24	2.39	2.53	2.74	2.94	3.37	3.68	4.35	5.78	9.92
5	2.33	3.03	3.31	3.49	3.71	3.92	4.21	4.49	5.14	5.53	6.44	8.69	13.95
10	2.87	3.74	4.09	4.34	4.61	4.87	5.18	5.51	6.27	6.70	7.76	10.60	16.46
20	3.39	4.41	4.83	5.15	5.47	5.77	6.08	6.46	7.33	7.78	8.98	12.39	18.75
25	3.55	4.61	5.06	5.40	5.74	6.05	6.36	6.76	7.65	8.12	9.36	12.95	19.45
30	3.68	5.05	5.54	5.93	6.29	6.64	6.95	7.37	8.41	8.80	10.13	14.10	20.89
50	4.04	5.25	5.77	6.18	6.56	6.91	7.22	7.66	8.64	9.12	10.49	14.64	21.56
100	4.52	5.87	6.46	6.94	7.36	7.76	8.05	8.53	9.60	10.09	11.58	16.28	23.58
200	5.00	6.48	7.13	7.69	8.16	8.59	8.86	9.39	10.53	11.02	12.64	17.89	25.53
1000	6.08	7.86	8.66	9.39	9.96	10.49	10.70	11.31	12.63	13.12	15.01	21.51	29.07
10000	7.60	9.78	10.79	11.77	12.48	13.14	13.23	13.94	15.51	15.98	18.25	26.52	35.77
PMP	14.55	19.30	21.37	22.69	24.06	25.31	26.87	28.34	32.31	34.16	38.78	53.48	76.54
MEAN	1.730	2.212	2.396	2.544	2.706	2.866	3.048	3.265	3.716	4.011	4.721	6.394	10.572
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.476	1.699	1.494	1.613	1.695	1.604	1.350	1.318	1.143	.891	.778	.942	.760
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	5.949	6.442	6.009	6.787	7.028	7.455	5.999	5.657	4.729	3.594	3.174	3.645	3.411
N	77	77	77	77	76	76	77	77	76	77	77	77	77
RECORD YEAR	1938	1938	1938	1938	1938	1938	1938	1938	1938	1938	1916	1969	1941
RECORD MAXIMUM	4.420	6.570	7.240	8.210	9.140	9.260	9.260	9.514	10.270	10.340	10.480	15.360	22.720
NORMALIZED MAX	3.330	3.846	3.927	4.227	4.554	4.492	4.264	3.981	3.617	3.149	2.675	3.066	2.926
CALC. COEF. VAR	.467	.515	.515	.527	.522	.497	.485	.480	.488	.501	.456	.458	.393
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1636	.2092	.2266	.2406	.2560	.2711	.2883	.3088	.3515	.3794	.4465	.6048	1.0000
RP10/A	.2716	.3535	.3868	.4105	.4359	.4602	.4897	.5208	.5933	.6342	.7344	1.0028	1.5570
RP25/A	.3389	.4394	.4789	.5110	.5426	.5728	.6019	.6389	.7177	.7677	.8853	1.2246	1.8397
RP50/A	.3823	.4966	.5457	.5844	.6203	.6539	.6829	.7241	.8176	.8626	.9926	1.3846	2.0392
RP100/A	.4280	.5553	.6108	.6563	.6964	.7340	.7614	.8069	.9081	.9539	1.0958	1.5400	2.2303
RP1000/A	.5754	.7433	.8195	.8880	.9420	.9921	1.0116	1.0702	1.1942	1.2407	1.4196	2.0345	2.8254
RP10000/A	.7186	.9248	1.0211	1.1131	1.1805	1.2426	1.2516	1.3228	1.4687	1.5117	1.7280	2.5080	3.3833
PMP/A	1.3759	1.8257	2.0213	2.1445	2.2756	2.3937	2.5416	2.6808	3.0563	3.2306	3.6884	5.0588	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 7473 0	STATION NAME RIVERSIDE	ELEV 1018	SEC 30	TWP 02S	RNG LOT 04W K	BWM S	LATITUDE 33.967	LONGITUDE 117.335	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	1.55	1.99	2.16	2.31	2.43	2.53	2.74	2.92	3.18	3.46	4.05	5.47	9.72
5	2.35	3.07	3.35	3.78	3.92	4.04	4.21	4.45	4.84	5.21	6.00	8.23	13.67
10	2.90	3.78	4.14	4.47	4.70	4.87	5.17	5.46	5.91	6.31	7.23	10.03	16.13
20	3.41	4.45	4.89	5.31	5.57	5.77	6.08	6.41	6.90	7.32	8.37	11.72	18.37
25	3.58	4.67	5.13	5.57	5.84	6.05	6.36	6.70	7.21	7.64	8.72	12.25	19.06
40	3.92	5.10	5.61	6.06	6.44	6.64	6.94	7.31	7.86	8.28	9.44	13.34	20.44
50	4.05	5.31	5.84	6.31	6.68	6.91	7.22	7.59	8.14	8.58	9.77	13.85	21.12
100	4.56	5.94	6.54	7.15	7.50	7.76	8.05	8.46	9.04	9.49	10.79	15.41	23.10
200	5.04	6.55	7.22	7.92	8.31	8.59	8.86	9.31	9.92	10.37	11.78	16.92	25.01
1000	6.13	7.95	8.77	9.68	10.15	10.49	10.69	11.22	11.89	12.34	13.98	20.35	28.27
10000	7.66	9.89	10.93	12.13	12.72	13.14	13.23	13.67	14.60	15.04	17.00	25.10	35.05
PMP	14.67	19.52	21.64	23.40	24.52	25.31	26.86	28.11	30.43	32.13	36.12	50.61	75.00
MEAN	1.744	2.237	2.426	2.623	2.758	2.866	3.047	3.239	3.500	3.773	4.397	6.050	10.359
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.803	.696	.746	.546	.582	.604	.533	.354	.418	.304	.312	1.292	.931
REGIONAL SKEW	1.400	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.000	1.000	1.000	1.200	.900
KURTOSIS	3.256	2.703	2.687	2.285	2.487	2.442	2.458	2.355	2.570	2.139	2.524	5.871	3.953
N	50	50	49	50	50	50	50	50	50	49	50	50	50
RECORD YEAR	1944	1943	1969	1938	1969	1943	1926	1926	1969	1959	1952	1969	1941
RECORD MAXIMUM	3.490	4.270	4.770	4.890	5.250	5.430	6.250	6.430	7.150	7.150	8.270	15.490	23.010
NORMALIZED MAX	2.277	2.695	2.986	3.099	3.208	3.275	3.352	3.352	3.395	3.408	3.408	3.430	2.885
CALC. COEF. VAR	.439	.444	.465	.455	.439	.435	.447	.432	.435	.446	.385	.453	.423
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1684	.2160	.2342	.2532	.2662	.2767	.2941	.3127	.3379	.3643	.4245	.5841	1.0000
RP10/A	.2796	.3649	.3998	.4319	.4534	.4697	.4996	.5273	.5703	.6099	.6982	.9685	1.5570
RP25/A	.3454	.4504	.4977	.5341	.5642	.5814	.6149	.6469	.6959	.7371	.8416	1.1927	1.8397
RP50/A	.3934	.5125	.5640	.6150	.6451	.6674	.6966	.7331	.7859	.8289	.9435	1.3372	2.0392
RP100/A	.4405	.5731	.6313	.6906	.7244	.7491	.7768	.8169	.8729	.9159	1.0417	1.4872	2.2303
RP1000/A	.5722	.7671	.8470	.9344	.9798	1.0125	1.0320	1.0835	1.1480	1.1912	1.3497	1.9648	2.8254
RP10000/A	.7396	.9544	1.0553	1.1713	1.2279	1.2687	1.2768	1.3393	1.4099	1.4515	1.6428	2.4230	3.3933
PMP/A	1.4161	1.8842	2.0892	2.2587	2.3669	2.4430	2.5928	2.7141	2.9379	3.1019	3.4872	4.8856	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 7711 0	STATION NAME SAN ANTONIO CANYON	ELEV 2394	SEC 13	TWP 01N	RNG LOT 08W	BWM S	LATITUDE 34.173	LONGITUDE 117.675	COUNTY CODE 70				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	4.10	5.51	6.01	6.41	6.81	7.22	7.77	8.28	9.44	10.27	11.85	15.73	25.29
5	6.22	8.46	9.33	9.99	10.59	11.20	11.95	12.65	14.37	15.44	17.55	23.65	35.58
10	7.66	10.43	11.54	12.41	13.16	13.90	14.68	15.52	17.45	18.71	21.16	28.84	41.97
20	9.04	12.29	13.63	14.73	15.60	16.47	17.25	18.20	20.49	21.72	24.48	33.70	47.70
25	9.47	12.88	14.29	15.45	16.37	17.28	18.05	19.03	21.41	22.65	25.50	35.22	49.59
40	10.36	14.09	15.64	16.96	17.97	18.96	19.70	20.76	23.86	24.58	27.61	38.36	53.26
50	10.79	14.65	16.28	17.67	18.72	19.75	20.48	21.57	24.16	25.45	28.59	39.82	54.97
100	12.08	16.38	18.22	19.85	21.02	22.16	22.83	24.04	26.85	28.14	31.57	44.29	60.12
200	13.35	18.08	20.13	21.99	23.28	24.54	25.14	26.45	29.46	30.75	34.45	48.66	65.09
1000	16.23	21.93	24.45	26.85	28.43	29.96	30.34	31.88	35.32	36.60	40.90	58.51	76.16
10000	20.27	27.29	30.46	33.66	35.63	37.52	37.93	39.41	43.38	44.59	49.72	72.16	91.19
PMP	38.82	53.87	60.30	64.91	68.68	72.28	76.22	79.86	90.38	95.30	105.68	145.50	195.15
MEAN	4.616	6.174	6.761	7.277	7.725	8.105	8.646	9.201	10.395	11.192	12.864	17.393	26.955
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.094	1.450	1.125	1.254	1.280	1.200	1.057	1.011	1.058	0.875	0.862	0.904	0.521
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.945	6.534	4.352	4.352	4.724	4.719	4.470	4.146	4.181	3.577	3.731	3.338	2.385
N	66	66	66	66	66	66	66	66	66	66	66	66	66
RECORD YEAR	1943	1943	1943	1943	1967	1967	1969	1969	1916	1916	1916	1969	1916
RECORD MAXIMUM	10.050	18.050	16.950	19.500	21.140	21.140	23.200	23.470	26.380	26.780	33.480	42.340	49.450
NORMALIZED MAX	2.415	3.798	3.311	2.900	3.129	2.936	3.200	3.059	3.243	3.094	3.261	2.806	2.117
CALC. COEF. VAR	.487	.541	.545	.562	.555	.539	.526	.507	.534	.508	.491	.511	.394
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1713	.2291	.2508	.2700	.2866	.3037	.3208	.3413	.3856	.4152	.4773	.6453	1.0000
RP10/A	.2843	.3870	.4291	.4605	.4881	.5155	.5448	.5756	.6509	.6740	.7650	1.0700	1.5570
RP25/A	.3513	.4777	.5300	.5733	.6073	.6409	.6696	.7062	.7943	.8401	.9462	1.3067	1.8397
RP50/A	.4001	.5436	.6039	.6557	.6945	.7325	.7597	.8003	.8970	.9440	1.0608	1.4774	2.0392
RP100/A	.4450	.6078	.6761	.7358	.7798	.8222	.8471	.8917	.9963	1.0440	1.1711	1.6171	2.2303
RP1000/A	.6023	.8136	.9071	.9863	1.0547	1.1113	1.1254	1.1828	1.3102	1.3578	1.5174	2.1708	2.8254
RP10000/A	.7522	1.0123	1.1301	1.2408	1.3217	1.3921	1.3924	1.4620	1.6092	1.6544	1.8447	2.6770	3.3933
PMP/A	1.4403	1.9985	2.2373	2.4083	2.5478	2.6814	2.8275	2.9628	3.3532	3.5355	3.9627	5.3978	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 723 0	STATION NAME SAN BERNARDINO	ELEV 1125	SEC 34	TWP 01N	RNG LOT 04W	BWM 5	LATITUDE 34.193	LONGITUDE 117.267	COUNTY CODE 36	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.93	2.67	3.05	3.30	3.52	3.72	4.06	4.41	5.08	5.64
5	2.93	4.11	4.74	5.13	5.47	5.77	6.25	6.74	7.73	8.47
10	3.61	5.06	5.86	6.38	6.79	7.17	7.68	8.27	9.44	10.26
20	4.25	5.97	6.93	7.57	8.06	8.49	9.02	9.70	11.02	11.91
25	4.45	6.25	7.26	7.94	8.45	8.91	9.44	10.15	11.52	12.42
40	4.88	6.84	7.95	8.72	9.28	9.78	10.31	11.07	12.47	13.47
50	5.07	7.11	8.27	9.08	9.66	10.18	10.71	11.50	13.01	13.96
100	5.68	7.95	9.26	10.20	10.85	11.43	11.94	12.81	14.44	15.44
200	6.28	8.78	10.23	11.30	12.02	12.68	13.15	14.10	15.85	16.87
1000	7.64	10.45	12.42	13.80	14.68	15.45	15.87	17.00	19.00	20.68
10000	9.54	13.24	15.48	17.30	18.39	19.35	19.63	21.01	23.33	24.45
PMP	18.26	26.15	30.64	33.37	35.46	37.27	39.86	42.58	48.62	52.28
MEAN	2.172	2.997	3.435	3.740	3.989	4.221	4.522	4.905	5.591	6.140
CLOCK HR. COR.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.239	1.088	1.080	1.180	1.127	1.106	1.070	1.076	1.027	0.978
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.000	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000
KURTOSIS	4.393	3.376	3.483	3.951	3.954	3.971	4.191	4.149	4.003	3.726
N	82	83	82	81	82	83	83	82	83	83
RECORD YEAR	1916	1943	1916	1967	1938	1938	1969	1969	1916	1916
RECORD MAXIMUM	5.290	7.020	7.870	8.970	9.820	9.900	11.710	12.040	13.460	15.300
NORMALIZED MAX	3.222	2.765	2.493	2.833	3.063	2.896	3.411	3.123	2.972	2.720
CALC. COEF. VAR	.448	.486	.494	.483	.487	.477	.466	.466	.474	.450
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	.1351	.1864	.2137	.2327	.2481	.2626	.2813	.3051	.3478	.3820
RP10/A	.2243	.3150	.3648	.3969	.4228	.4477	.4777	.5145	.5871	.6420
RP25/A	.2771	.3888	.4516	.4941	.5258	.5554	.5872	.6313	.7164	.7728
RP50/A	.3150	.4484	.5145	.5651	.6012	.6334	.6662	.7154	.8090	.8684
RP100/A	.3534	.4947	.5760	.6346	.6750	.7109	.7429	.7971	.8986	.9603
RP1000/A	.4751	.6622	.7728	.8586	.9130	.9609	.9969	1.0517	1.2494	1.3974
RP10000/A	.5931	.8239	.9928	1.1763	1.4442	1.6207	1.7211	1.8069	2.1519	2.4928
PMP/A	1.1361	1.6265	1.9061	2.0755	2.2057	2.3185	2.4796	2.6485	3.0243	3.2523

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y01 7888 0	STATION NAME SANTA ANA FIRE STATION	ELEV 115	SEC 34	TWP 01N	RNG LOT 04W	BWM 5	LATITUDE 33.744	LONGITUDE 117.867	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.18	2.77	3.10	3.23	3.35	3.51	3.85	4.12	4.64	5.10	6.04	8.09	13.15
5	3.31	4.26	4.81	5.03	5.21	5.44	5.92	6.30	7.07	7.66	8.94	12.17	18.49
10	4.08	5.25	5.96	6.25	6.47	6.72	7.27	7.72	8.63	9.28	10.76	14.21	21.81
20	4.86	6.18	7.04	7.41	7.67	8.00	8.54	9.08	10.09	10.78	12.47	17.34	24.84
25	5.03	6.48	7.37	7.78	8.05	8.39	8.94	9.47	10.54	11.24	12.99	18.10	25.77
40	5.51	7.09	8.07	8.54	8.84	9.21	9.76	10.33	10.76	12.19	14.07	19.74	27.68
50	5.73	7.37	8.40	8.90	9.21	9.59	10.14	10.74	11.90	12.63	14.56	20.44	29.07
100	6.42	8.24	9.41	9.99	10.34	10.77	11.31	11.96	13.21	13.96	16.08	22.79	31.24
200	7.10	9.10	10.39	11.07	11.45	11.92	12.45	13.16	14.50	15.24	17.55	25.04	33.83
1000	8.63	11.03	12.62	13.52	13.98	14.55	15.02	15.87	17.38	18.10	20.93	30.11	39.58
10000	10.78	13.73	15.72	16.94	17.52	18.23	18.59	19.61	21.34	22.33	25.33	37.33	48.44
PMP	20.64	27.10	31.13	32.68	33.77	35.11	37.74	39.75	44.48	47.29	53.83	74.86	91.52
MEAN	2.454	3.105	3.489	3.663	3.749	3.976	4.282	4.579	5.115	5.554	6.553	8.950	14.008
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.693	.809	.700	.681	.662	.621	.625	.491	.439	.485	.994	.998	1.107
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.900
KURTOSIS	2.856	3.227	2.646	2.540	2.596	2.975	2.479	2.296	2.146	2.434	4.162	3.692	4.713
N	40	40	40	40	40	40	40	40	40	40	40	40	40
RECORD YEAR	1956	1956	1956	1956	1938	1952	1939	1937	1938	1952	1941	1941	1941
RECORD MAXIMUM	4.220	6.320	7.370	7.370	7.630	8.320	8.630	8.650	9.380	11.070	15.960	21.260	34.770
NORMALIZED MAX	1.153	2.193	2.157	1.965	2.001	2.172	2.059	1.892	1.794	2.097	3.007	3.265	5.225
CALC. COEF. VAR	.425	.472	.517	.515	.504	.502	.493	.470	.464	.463	.466	.468	.468
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
MEAN/A	.1752	.2217	.2491	.2615	.2712	.2838	.3056	.3269	.3652	.3965	.4678	.6300	1.0000
RP10/A	.2909	.3746	.4252	.4461	.4619	.4819	.5191	.5512	.6104	.6627	.7693	1.0594	1.5570
RP25/A	.3594	.4624	.5284	.5553	.5747	.5991	.6381	.6763	.7521	.8022	.9341	1.2298	1.8397
RP50/A	.4094	.5262	.5998	.6351	.6572	.6847	.7239	.7684	.8494	.9014	1.0397	1.4628	2.0392
RP100/A	.4584	.5893	.6714	.7132	.7379	.7685	.8072	.8545	.9341	.9969	1.1478	1.6209	2.2623
RP1000/A	.6162	.7875	.9009	.9650	.9980	1.0387	1.0724	1.1327	1.2406	1.2965	1.4872	2.1493	2.8254
RP10000/A	.7696	.9798	1.1224	1.2096	1.2508	1.3012	1.3268	1.4001	1.5237	1.5797	1.8080	2.5055	3.3833
PMP/A	1.4735	1.9344	2.2220	2.3327	2.4110	2.5062	2.6942	2.8373	3.1751	3.3760	3.8426	5.3443	7.6254

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB Y01 7888 1	SANTA ANA	125					33.750	117.870	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	2.25	2.76	2.89	3.10	11.60
5	3.42	4.24	4.48	4.83	10.56
10	4.21	5.23	5.54	6.00	19.92
20	4.96	6.10	6.55	7.12	23.13
25	5.20	6.45	6.86	7.47	24.13
40	5.69	7.06	7.51	8.20	26.23
50	5.94	7.34	7.82	8.54	27.21
100	6.45	8.21	8.75	9.59	30.22
200	7.33	9.06	9.67	10.62	33.19
1000	8.92	10.99	11.74	12.98	39.94
10000	11.13	13.67	14.63	16.27	49.37
PMP	21.32	26.99	28.96	31.37	92.69

MEAN	2.535	3.094	3.246	3.517	12.802
CLOCK HR. COR.		1.170	1.040	1.000	1.000
CALCULATED SKEW	1.202	1.257	1.211	1.155	1.139
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400

KURTOSIS	5.070	5.482	3.718	2.934	5.474
N	35	37	35	37	33
RECORD YEAR	1956	1956	1956	1956	1941
RECORD MAXIMUM	5.440	7.740	7.740	7.750	32.140
NORMALIZED MAX	2.524	3.053	2.603	2.464	3.262
CALC. COEF. VAR	.454	.492	.516	.488	.463
REGION. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416

MEAN/A	1.1980	2.2417	2.536	2.747	1.0000
RP10/A	3.2888	4.083	4.328	4.686	1.5560
RP25/A	4.0061	5.040	5.358	5.833	1.8851
RP50/A	4.827	5.735	6.06	6.671	2.1255
RP100/A	5.190	6.413	6.835	7.492	2.3649
RP1000/A	6.964	8.584	9.170	10.137	3.1195
RP10000/A	8.697	10.680	11.425	12.706	3.8565
PMP/A	1.6653	2.1084	2.2618	2.4503	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
85N ORDER SUB Y01 7891 0	SANTA ANA PH3	1980	04	015 02W		5	34.108	117.115	36

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.19	2.99	3.41	3.64	3.87	4.14	4.56	4.93	5.81	6.39	7.35	10.14	18.64
5	3.32	4.59	5.30	5.64	6.02	6.41	7.04	7.53	8.84	9.61	10.89	15.25	26.21
10	4.09	5.66	6.56	7.06	7.48	7.96	8.65	9.24	10.79	11.64	13.13	18.60	30.92
20	4.82	6.67	7.75	8.37	8.88	9.43	10.17	10.64	12.61	13.52	15.19	21.74	35.21
25	5.05	6.98	8.12	8.78	9.31	9.90	10.64	11.33	13.45	14.10	15.82	22.71	36.53
40	5.53	7.64	8.89	9.64	10.22	10.86	11.61	12.36	13.45	14.29	17.13	24.74	39.24
50	5.75	7.95	9.25	10.05	10.65	11.31	12.07	12.85	14.88	15.64	17.74	25.68	40.50
100	6.44	8.89	10.35	11.28	11.96	12.70	13.46	14.31	16.52	17.52	19.59	26.56	44.29
200	7.12	9.81	11.44	12.50	13.24	14.06	14.81	15.75	18.12	19.14	21.38	31.38	47.96
1000	8.66	11.69	13.89	15.27	16.17	17.16	17.88	18.98	21.73	22.78	29.38	37.73	56.11
10000	10.61	14.80	17.31	19.13	20.27	21.50	22.12	23.47	26.69	27.76	36.85	46.53	67.19
PMP	20.70	29.21	34.27	36.90	39.07	41.40	44.92	47.55	55.61	59.32	69.57	93.03	143.78

MEAN	2.461	3.348	3.642	4.137	4.394	4.689	5.096	5.479	6.395	6.967	7.981	11.217	19.859
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.116	1.308	1.133	1.209	1.367	1.205	1.349	1.412	1.245	.948	.778	.999	.200
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.200	.900
KURTOSIS	4.333	4.211	3.813	4.259	4.512	3.920	4.323	4.553	4.019	3.890	3.292	4.632	3.504
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1937	1937	1927	1927	1938	1936	1922	1922	1922	1922	1922	1969	1937
RECORD MAXIMUM	4.300	6.280	7.840	8.610	9.410	9.490	10.700	13.630	15.350	16.060	16.070	25.290	35.940
NORMALIZED MAX	2.342	2.215	2.502	2.425	2.680	2.516	2.723	3.164	3.221	3.007	2.929	3.134	2.599
CALC. COEF. VAR	.318	.395	.416	.416	.467	.404	.436	.435	.426	.385	.400	.312	.312
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	1.239	1.686	1.934	2.083	2.213	2.361	2.566	2.759	3.220	3.508	4.019	5.648	1.0000
RP10/A	2.056	2.649	3.362	3.553	3.769	4.009	4.398	4.652	5.436	5.864	6.610	9.366	1.5570
RP25/A	2.542	3.517	4.568	4.825	5.080	5.357	5.707	6.033	7.098	7.668	8.610	11.837	1.837
RP50/A	2.896	4.002	4.658	4.959	5.362	5.696	6.077	6.468	7.940	7.976	9.933	1.2932	2.0392
RP100/A	3.242	4.474	5.214	5.601	6.021	6.393	6.776	7.207	8.319	8.820	9.862	1.4392	2.2303
RP1000/A	4.359	5.989	6.996	7.687	8.143	8.641	9.003	9.500	10.941	11.772	12.770	1.9061	2.6254
RP10000/A	5.844	8.142	9.745	10.625	11.624	12.295	13.024	13.838	15.816	16.535	2.3432	3.3833	
PMP/A	1.0423	1.4711	1.7256	1.8581	1.9672	2.0449	2.2619	2.3946	2.8001	2.9871	3.3017	4.7247	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 7694 0	STATION NAME SANTA ANA RIVER PH 1	ELEV 2765	SEC	TWP	RNG LOT	8NM	LATITUDE 34.150	LONGITUDE 117.067	COUNTY CODE 36				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS M=HOURS													
RETURN PERIOD IN YEARS	1D	2D	3D	4D	5D	6D	8D	10D	15D	20D	30D	60D	365D
2	2.75	3.90	4.12	4.38	4.57	4.75	5.15	5.62	6.36	7.05	8.54	11.59	21.08
5	4.10	6.00	6.39	6.82	7.10	7.36	7.92	8.58	9.69	10.59	12.64	17.43	29.65
10	5.14	7.40	7.91	8.48	8.82	9.14	9.74	10.53	11.83	12.84	15.24	21.26	34.97
20	6.07	8.72	9.34	10.05	10.46	10.83	11.44	12.35	13.82	14.90	17.63	24.84	39.83
25	6.35	9.13	9.79	10.56	10.98	11.36	11.97	12.91	14.44	15.54	18.37	25.96	41.32
40	6.96	9.99	10.72	11.59	12.05	12.46	13.07	14.09	14.74	16.85	19.89	28.27	44.38
50	7.24	10.39	11.15	12.08	12.55	12.98	13.58	14.64	16.31	17.46	20.90	29.35	45.80
100	8.11	11.62	12.49	13.56	14.10	14.57	15.15	16.31	18.11	19.31	22.74	32.05	50.09
200	8.96	12.82	13.79	15.02	15.61	16.13	16.67	17.94	19.87	21.10	24.82	35.24	54.24
1000	10.90	15.55	16.75	18.35	19.07	19.69	20.12	21.63	23.82	25.11	29.46	43.13	63.46
10000	13.81	19.34	20.87	23.00	23.90	24.67	24.90	26.74	29.25	30.65	35.82	53.19	75.99
PMP	26.06	36.19	41.31	44.36	46.06	47.52	50.56	54.19	60.96	65.40	76.13	107.25	162.61
MEAN	3.098	4.377	4.631	4.973	5.181	5.361	5.736	6.243	7.010	7.680	9.267	12.621	22.490
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.860	1.725	1.597	1.546	1.637	1.488	1.607	1.835	1.175	1.080	1.559	.497	1.636
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
KURTOSIS	7.385	6.374	5.835	11.415	12.074	11.042	8.897	8.293	5.915	4.147	3.242	2.570	2.825
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	7.780	12.180	12.500	16.290	17.400	17.040	17.040	17.100	17.100	17.100	18.370	23.640	37.710
NORMALIZED MAX	2.292	2.936	2.990	3.860	3.918	3.812	3.641	3.374	3.220	2.611	2.490	2.000	1.915
CALC. COEF. VAR	.540	.606	.568	.584	.584	.561	.541	.487	.447	.439	.395	.387	.355
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1379	1.1949	1.2052	1.2214	1.2307	1.2396	1.2554	1.2779	1.3121	1.3419	1.4126	1.5708	1.0000
RP10/A	.2290	.3293	.3520	.3777	.3929	.4068	.4337	.4687	.5268	.5718	.6786	.9465	1.0000
RP25/A	.2829	.4085	.4357	.4702	.4869	.5057	.5331	.5750	.6429	.6919	.8180	1.1559	1.8397
RP50/A	.3223	.4625	.4965	.5377	.5590	.5780	.6048	.6517	.7260	.7774	.9171	1.3069	2.0392
RP100/A	.3609	.5172	.5558	.6039	.6276	.6487	.6744	.7261	.8053	.8597	1.0124	1.4536	2.2303
RP1000/A	.4851	.6822	.7457	.8171	.8469	.8768	.8960	.9631	1.0804	1.1182	1.3118	1.9204	2.8254
RP10000/A	.6059	.8613	.9290	1.0242	1.0639	1.0984	1.1095	1.1905	1.3024	1.3624	1.5947	2.3681	3.3633
PMP/A	1.1601	1.7003	1.8392	1.9750	2.0508	2.1156	2.2510	2.4125	2.7139	2.9116	3.3893	4.7750	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y01 8213 0	STATION NAME SIERRA POWER HOUSE	ELEV 3000	SEC TWP	RNG LOT	8NM	LATITUDE 34.200	LONGITUDE 117.969	COUNTY CODE 70			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS M-HOURS											
RETURN PERIOD IN YEARS	5M	10M	15M	30M	1H	2H	3H	6H	12H	1D	C-YR
2	4.54	6.30	7.10	7.58	8.12	8.56	9.35	9.91	10.83	11.99	13.68
5	6.88	9.69	11.02	11.61	12.63	13.27	14.39	15.13	16.49	18.02	20.27
10	8.47	11.94	13.63	14.68	15.69	16.46	17.69	18.58	20.13	21.84	24.43
20	9.99	14.06	16.10	17.41	18.61	19.51	20.78	21.77	23.51	25.35	28.98
25	10.47	14.74	16.88	18.27	19.53	20.47	21.74	22.77	24.57	26.43	29.45
40	11.46	16.13	18.48	20.05	21.43	22.46	23.73	24.84	26.08	28.67	31.89
50	11.92	16.78	19.23	20.90	22.33	23.39	24.66	25.86	27.24	29.70	33.02
100	13.35	18.76	21.53	23.47	25.07	26.26	27.50	28.75	30.81	32.85	36.45
200	14.75	20.70	23.78	26.00	27.77	29.07	30.27	31.63	33.80	35.90	39.78
1000	17.95	25.11	28.68	31.75	33.91	35.49	36.54	38.14	40.52	42.72	47.23
10000	22.42	31.24	35.98	39.80	42.50	44.45	45.26	47.14	49.77	52.05	57.42
PMP	42.92	61.68	71.24	76.75	81.92	85.62	91.80	95.53	103.70	111.24	122.03
MEAN	5.104	7.069	7.986	8.605	9.215	9.697	10.414	11.006	11.927	13.064	14.855
CLOCK HR. COR.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.284	1.740	1.482	1.437	1.480	1.869	2.093	1.987	1.815	1.894	1.553
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000
KURTOSIS	5.436	7.264	5.542	4.995	5.464	8.097	9.874	8.775	8.028	8.604	7.191
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	14.800	21.470	22.530	22.820	27.070	34.170	39.710	39.620	41.720	46.310	46.210
NORMALIZED MAX	3.777	3.744	3.265	2.957	3.425	4.324	4.703	4.483	4.340	4.515	4.295
CALC. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481
REGN. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481
MEAN/A	.3436	.4759	.5376	.5793	.6204	.6528	.7010	.7409	.8029	.8795	1.0000
RP10/A	.5704	.8041	.9177	.9881	1.0565	1.1083	1.1906	1.2494	1.3552	1.4701	1.6447
RP25/A	.7047	.9926	1.1361	1.2301	1.3146	1.3778	1.4635	1.5328	1.6530	1.7795	1.9825
RP50/A	.8128	1.1254	1.2946	1.4088	1.5077	1.5747	1.6603	1.7372	1.8676	1.9998	2.2742
RP100/A	.8988	1.2629	1.4491	1.5799	1.6878	1.7675	1.8513	1.9356	2.0743	2.2112	2.4539
RP1000/A	1.2033	1.6904	1.9443	2.1377	2.2829	2.3884	2.5074	2.5879	2.7279	2.8759	3.1795
RP10000/A	1.5690	2.1032	2.4225	2.6795	2.9610	2.9926	3.0432	3.1734	3.3504	3.5062	3.8653
PMP/A	2.8894	4.1522	4.7957	5.1673	5.5150	5.7641	6.1797	6.4310	6.9013	7.4687	8.2150

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY			
101 8243 0	SILVERADO	1100	055	07W	5	33.753	117.667	30					
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.55	3.08	3.39	3.54	3.65	3.65	4.26	4.61	5.23	5.65	6.45	8.21	13.99
5	3.87	4.73	5.26	5.51	5.68	5.97	6.56	7.04	7.97	8.49	9.55	12.35	19.68
10	4.76	5.83	6.51	6.85	7.05	7.41	8.08	8.64	9.73	10.29	11.51	15.06	23.42
20	5.62	6.87	7.69	8.12	8.36	8.76	9.47	10.13	11.37	11.94	13.32	17.60	26.44
25	5.89	7.20	8.06	8.53	8.77	9.22	9.90	10.59	11.87	12.46	13.68	18.39	27.43
40	6.44	7.86	8.83	9.36	9.63	10.11	10.81	11.56	12.12	12.51	15.02	20.93	29.96
50	6.70	8.19	9.19	9.75	10.03	10.53	11.24	12.01	13.41	14.00	15.56	20.79	30.41
100	7.51	9.16	10.28	10.95	11.26	11.82	12.53	13.38	14.89	15.48	17.17	23.13	33.25
200	8.30	10.11	11.36	12.13	12.48	13.09	13.79	14.72	16.34	16.92	18.74	25.41	36.01
1000	10.09	12.26	13.80	14.62	15.23	15.98	16.65	17.74	19.59	20.13	22.53	30.55	42.13
10000	12.90	15.46	17.19	18.57	19.09	20.02	21.93	24.05	24.53	27.05	37.68	50.45	
PMP	24.13	30.12	34.03	35.82	36.80	38.55	41.62	44.45	50.12	52.42	57.50	75.97	107.95
MEAN	2.869	3.452	3.815	4.015	4.140	4.366	4.745	5.121	5.765	6.156	6.999	9.082	14.910
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.174	1.343	1.460	1.567	1.565	1.438	1.179	1.126	1.090	1.062	1.014	1.000	1.000
REGIONAL SKEW	1.400	1.360	1.300	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260
SKEW USED	1.400	1.360	1.300	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260
KURTOSIS	4.524	5.656	6.801	7.302	7.823	8.211	9.599	1.829	2.976	3.282	2.904	2.758	2.966
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1956	1949	1949	1949	1949	1958
RECORD MAXIMUM	6.000	8.500	8.950	9.050	9.100	9.100	9.380	9.530	13.530	14.210	15.080	17.690	28.120
NORMALIZED MAX	2.148	2.687	2.433	2.308	2.289	2.105	1.878	1.856	2.459	2.576	2.431	2.227	2.380
CALC. COEF. VAR	.494	.515	.528	.528	.524	.515	.520	.520	.548	.508	.475	.426	.372
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1924	.2315	.2559	.2693	.2776	.2928	.3182	.3434	.3866	.4129	.4694	.6091	1.0000
RP10/A	.3195	.3912	.4368	.4594	.4728	.4971	.5404	.5791	.6526	.6991	.7721	1.0180	1.5570
RP25/A	.3847	.4627	.5107	.5318	.5472	.5718	.6181	.6543	.7105	.7554	.8306	1.2334	1.8397
RP50/A	.4497	.5495	.6161	.6540	.6728	.7064	.7536	.8053	.8993	.9387	1.0434	1.3945	2.3092
RP100/A	.5035	.6144	.6897	.7345	.7554	.7929	.8403	.8972	.9988	1.0381	1.1519	1.5510	2.0303
RP1000/A	.6768	.8224	.9253	.9938	1.0217	1.0716	1.1164	1.1701	1.3335	1.3802	1.4925	2.0496	2.8254
RP10000/A	.8453	1.0232	1.1529	1.2457	1.2804	1.3424	1.3813	1.4710	1.6133	1.6451	1.8144	2.5268	3.3833
PMP/A	1.6185	2.0200	2.2623	2.4022	2.4682	2.5856	2.8050	2.9911	3.3616	3.5157	3.8562	5.0950	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	BWM	LATITUDE	LONGITUDE	COUNTY				
101 9087 0	TUSTIN IRVINE	275	118	14	055 09W	R 5	33.731	117.762	30				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.89	2.34	2.56	2.71	2.83	3.08	3.20	3.49	3.93	4.33	5.10	6.89	11.39
5	2.87	3.60	3.98	4.22	4.41	4.65	4.92	5.33	5.99	6.50	7.55	10.35	16.62
10	3.53	4.44	4.92	5.25	5.48	5.77	6.05	6.54	7.31	7.88	9.10	12.63	18.90
20	4.16	5.23	5.81	6.22	6.49	6.84	7.11	7.67	8.54	9.14	10.52	14.75	21.52
25	4.36	5.48	6.09	6.53	6.81	7.17	7.44	8.02	8.92	9.54	10.97	15.42	22.33
40	4.77	5.99	6.67	7.17	7.48	7.87	8.12	8.75	9.11	10.34	11.87	16.79	23.98
50	4.97	6.23	6.94	7.47	7.79	8.20	8.44	9.09	10.08	10.72	12.29	17.44	24.75
100	5.56	6.97	7.77	8.39	8.75	9.20	9.41	10.13	11.19	11.85	13.57	19.39	27.07
200	6.15	7.69	8.58	9.29	9.69	10.19	10.39	11.15	12.26	12.95	14.81	21.30	29.31
1000	7.48	9.33	10.43	11.35	11.83	12.44	12.50	13.44	14.72	15.41	17.59	25.62	34.29
10000	9.34	11.60	12.99	14.22	14.83	15.58	15.47	16.61	18.08	18.78	21.38	31.59	41.06
PMP	17.88	22.91	25.72	27.43	28.59	30.00	31.41	33.67	37.67	40.13	45.44	63.70	87.87
MEAN	2.126	2.626	2.883	3.075	3.216	3.398	3.564	3.879	4.332	4.713	5.531	7.616	12.137
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.286	1.423	1.504	1.524	1.524	1.472	1.179	1.126	1.090	1.062	1.014	1.000	1.000
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	1.000
KURTOSIS	4.410	5.816	6.373	6.259	6.281	6.262	6.011	5.047	2.466	3.091	3.373	4.696	4.283
N	79	79	79	79	79	79	79	79	79	79	79	79	79
RECORD YEAR	1956	1956	1956	1956	1956	1956	1956	1927	1937	1952	1941	1941	1941
RECORD MAXIMUM	4.520	7.059	7.190	7.100	7.120	7.570	7.590	8.880	9.210	11.260	12.570	21.010	26.000
NORMALIZED MAX	2.479	3.562	3.011	2.804	2.625	2.631	2.508	2.804	2.488	3.087	2.963	3.623	3.549
CALC. COEF. VAR	.454	.473	.486	.467	.463	.467	.450	.453	.453	.450	.429	.389	.389
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1752	.2163	.2375	.2534	.2649	.2800	.2936	.3196	.3569	.3883	.4457	.6275	1.0000
RP10/A	.2919	.3855	.4222	.4475	.4512	.4752	.4987	.5389	.6025	.6491	.7496	1.0404	1.5570
RP25/A	.3593	.4512	.5020	.5380	.5615	.5909	.6130	.6612	.7352	.7857	.9035	1.2706	1.8397
RP50/A	.4093	.5134	.5620	.6193	.6420	.6754	.6954	.7493	.8303	.8829	1.0130	1.4386	2.0392
RP100/A	.4583	.5741	.6403	.6910	.7208	.7581	.7754	.8349	.9221	.9763	1.1183	1.5578	2.2203
RP10000/A	.6161	.7684	.8591	.9350	.9780	1.0245	1.0302	1.1074	1.2127	1.2698	1.4490	2.1109	2.8254
RP10000/A	.7694	.9561	1.0703	1.1720	1.2219	1.2635	1.2746	1.3686	1.4695	1.5217	1.7616	2.6030	3.3833
PMP/A	1.4733	1.8874	2.1189	2.2601	2.3553	2.4722	2.5883	2.7739	3.1036	3.3065	3.7439	5.2487	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER 508 Y01 9323 51	VICTORIA-LOMA LINDA	1060	35	015	04W	A	5	34.081	117.255	36

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.58	2.15	2.42	2.61	2.80	2.97	3.30	3.51	4.03	4.42	5.10
5	2.40	3.32	3.75	4.07	4.36	4.61	5.07	5.36	6.13	6.65	7.56
10	3.49	4.10	4.65	5.06	5.42	5.72	6.24	6.57	7.49	8.06	9.11
20	3.49	4.83	5.49	6.00	6.42	6.77	7.33	7.71	8.75	9.35	10.54
25	3.65	5.06	5.75	6.29	6.74	7.11	7.66	8.07	9.14	9.75	10.98
40	4.13	5.53	6.30	6.91	7.37	7.66	8.37	8.80	9.33	10.57	11.89
50	4.16	5.75	6.55	7.20	7.71	8.12	8.70	9.14	10.32	10.96	12.31
100	4.66	6.43	7.34	8.08	8.65	9.11	9.70	10.18	11.46	12.12	13.59
200	5.15	7.10	8.10	8.96	9.58	10.09	10.67	11.21	12.57	13.24	14.83
1000	6.26	8.61	9.64	10.99	11.70	12.32	12.86	13.51	15.07	15.76	17.41
10000	7.82	10.71	12.26	13.71	14.67	15.43	15.94	16.70	19.51	20.10	21.41
PMP	14.98	21.15	24.28	26.44	28.26	29.72	32.36	33.84	36.57	41.04	45.50
MEAN	1.781	2.424	2.721	2.964	3.181	3.366	3.672	3.898	4.436	4.819	5.538
CLOCK HR. COR.	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.984	.833	.972	1.039	1.306	1.196	1.054	.950	.905	.779	.749
REGIONAL SKEW	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000
KURTOSIS	3.591	3.034	3.356	3.807	4.914	4.452	3.824	3.829	3.831	3.370	3.833
RECORD YEAR	83	83	83	83	83	83	83	83	83	83	83
RECORD MAXIMUM	1938	1956	1927	1938	1897	1897	1897	1922	1969	1916	1969
NORMALIZED MAX	3.950	3.350	3.480	3.490	8.870	8.870	8.870	8.870	10.400	11.360	14.080
CALC. COEF. VAR	.434	.455	.488	.487	.509	.489	.490	.479	.488	.484	.480
REDN. COEF. VAR	.494	.519	.528	.528	.526	.522	.521	.512	.513	.501	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491
MEAN/A	.1423	.1936	.2173	.2367	.2540	.2688	.2932	.3113	.3543	.3849	.4423
RP10/A	.2382	.3271	.3710	.4036	.4326	.4584	.4980	.5250	.5980	.6434	.7275
RP25/A	.2516	.4038	.4517	.5083	.5574	.5874	.6122	.6443	.7297	.7768	.8769
RP50/A	.3324	.4595	.5234	.5749	.6155	.6485	.6945	.7300	.8240	.8751	.9831
RP100/A	.3722	.5138	.5858	.6456	.6911	.7279	.7744	.8134	.9152	.9677	1.0853
RP1000/A	.5603	.8677	.9368	1.0056	1.0839	1.1225	1.2325	1.2729	1.3336	1.2586	1.4063
RP10000/A	.6248	.8557	.9793	1.0950	1.1715	1.2325	1.2729	1.3336	1.4763	1.5339	1.7096
PMP/A	1.1964	1.6892	1.9387	2.1117	2.2582	2.3739	2.5848	2.7025	3.0604	3.2773	3.6335

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER 508 Y01 9338 5	VILLA PK-ORCHARD	290						33.814	117.823	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS					
RETURN PERIOD IN YEARS	10	20	30	40	50 YR
2	2.20	2.83	3.17	3.26	12.33
5	3.33	4.35	4.92	5.08	17.00
10	4.10	5.37	6.09	6.31	21.17
20	4.84	6.33	7.20	7.49	24.56
25	5.07	6.63	7.54	7.86	25.65
40	5.55	7.25	8.26	8.63	27.68
50	5.78	7.54	8.59	8.99	28.92
100	6.47	8.43	9.62	10.10	32.13
200	7.15	9.31	10.63	11.18	35.26
1000	8.70	11.29	12.91	13.66	42.45
10000	10.86	14.04	16.08	17.12	52.48
PMP	20.79	27.73	31.83	33.02	98.52
MEAN	2.472	3.178	3.569	3.702	13.608
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.056	1.024	.660	.569	1.345
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400
SKEW USED	1.400	1.300	1.300	1.400	1.400
KURTOSIS	2.834	3.703	2.548	2.412	4.852
RECORD YEAR	41	41	41	41	41
RECORD MAXIMUM	1937	1956	1956	1956	1941
NORMALIZED MAX	4.670	7.350	7.350	7.380	34.680
CALC. COEF. VAR	.441	.519	.512	.491	.476
REDN. COEF. VAR	.494	.515	.528	.526	.416
USED COEF. VAR	.494	.515	.528	.526	.416
MEAN/A	.1817	.2335	.2623	.2720	1.0000
RP10/A	.3017	.3946	.4477	.4640	1.5560
RP25/A	.3727	.4871	.5542	.5777	1.8851
RP50/A	.4245	.5543	.6315	.6607	2.1255
RP100/A	.4753	.6197	.7069	.7419	2.3609
RP1000/A	.6390	.8295	.9485	1.0039	3.1195
RP10000/A	.7980	1.0321	1.1817	1.2584	3.8965
PMP/A	1.5280	2.0376	2.3394	2.4266	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY
Y01 9587 1	WEST RIVERSIDE SDF	900	07	025	05W		5	34.012	117.447	33
MAXIMUM PRECIPITATION FOR INDICATED DURATION Q-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.72	2.24	2.41	2.55	2.73	2.83	3.09	3.29	3.59	3.82
5	2.62	3.45	3.74	3.98	4.24	4.38	4.75	5.03	5.47	5.74
10	3.22	4.25	4.63	4.94	5.27	5.44	5.84	6.17	6.67	6.96
20	3.80	5.01	5.47	5.86	6.24	6.45	6.86	7.23	7.80	8.07
25	3.98	5.24	5.73	6.15	6.55	6.76	7.18	7.57	8.15	8.42
40	4.36	5.74	6.27	6.76	7.19	7.42	7.83	8.25	8.92	9.13
50	4.53	5.97	6.53	7.04	7.49	7.73	8.14	8.58	9.20	9.46
100	5.08	6.67	7.31	7.90	8.41	8.68	9.08	9.55	10.22	10.44
200	5.76	7.36	8.07	8.76	9.32	9.61	10.01	10.51	11.14	11.35
1000	6.82	8.93	9.80	10.69	11.38	11.73	12.06	12.67	13.44	13.61
10000	8.52	11.11	12.21	13.40	14.26	14.69	14.92	15.67	16.50	16.58
PMP	16.32	21.94	24.18	25.85	27.49	28.29	30.30	31.75	34.39	35.44
MEAN	1.940	2.514	2.701	2.898	3.092	3.204	3.437	3.658	3.955	4.162
CLOCK HR. COR.	1.140	1.070	1.094	1.058	1.016	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.383	1.085	1.023	1.100	1.128	1.104	1.054	1.059	1.055	1.034
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.000	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.000	1.000

KURTOSIS	5.978	9.337	6.613	4.501	4.272	4.278	3.648	3.410	3.237	3.130
RECORD YEAR	26	26	26	26	26	26	26	26	26	26
RECORD MAXIMUM	1956	1956	1956	1956	1956	1949	1949	1949	1949	1949
NORMALIZED MAX	4.190	6.760	6.760	6.770	6.770	6.990	7.350	7.660	8.350	8.350
CALC. COEF. VAR	2.482	3.237	2.840	2.578	2.401	2.458	2.395	2.392	2.433	2.346
REGN. COEF. VAR	.467	.502	.526	.518	.495	.491	.475	.457	.429	.405
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.501	.481
MEAN/A	1.1801	2.2344	2.516	2.689	2.870	2.973	3.190	3.3394	3.670	3.862
RP10/A	2.2990	3.943	4.294	4.588	4.887	5.048	5.417	5.724	6.195	6.456
RP25/A	3.3693	4.867	5.316	5.711	6.081	6.267	6.659	7.023	7.559	7.814
RP50/A	4.2027	5.608	6.058	6.531	6.954	7.173	7.554	7.959	8.537	8.781
RP100/A	4.710	6.193	6.719	7.235	7.808	8.081	8.623	9.081	9.716	1.0057
RP1000/A	6.333	8.289	9.098	9.925	1.0560	1.0882	1.1191	1.1763	1.2469	1.2629
RP10000/A	7.798	1.0313	1.1335	1.2440	1.3234	1.3631	1.3846	1.4539	1.5314	1.5388
PMP/A	1.5143	2.0360	2.2440	2.3990	2.5511	2.6256	2.8116	2.9464	3.1911	3.2886

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWN	LATITUDE	LONGITUDE	COUNTY
Y01 9675 51	WILD ROSE RANCH	1011	27	045	06W		5	33.501	117.789	33
MAXIMUM PRECIPITATION FOR INDICATED DURATION Q-DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.53	3.13	3.47	3.80	3.92	4.07	4.41	4.60	5.00	5.51
5	3.84	4.81	5.38	5.92	6.09	6.32	6.78	7.02	7.61	8.29
10	4.72	5.93	6.66	7.36	7.57	7.84	8.33	8.61	9.29	10.04
20	5.57	6.99	7.86	8.73	8.97	9.29	9.78	10.10	10.86	11.66
25	5.84	7.32	8.24	9.16	9.42	9.75	10.24	10.57	11.34	12.16
40	6.39	8.01	9.02	10.06	10.33	10.69	11.18	11.53	11.98	13.18
50	6.65	8.33	9.39	10.48	10.77	11.14	11.61	11.96	12.81	13.66
100	7.44	9.31	10.51	11.76	12.09	12.50	12.95	13.34	14.23	15.11
200	8.22	10.28	11.61	13.03	13.39	13.84	14.26	14.68	15.61	16.51
1000	10.01	12.46	14.10	15.92	16.35	16.90	17.21	17.70	18.71	19.65
10000	12.49	15.51	17.37	19.95	20.49	21.17	21.29	21.88	22.98	23.94
PMP	23.93	30.61	34.79	38.48	39.50	40.77	43.23	44.33	47.88	51.16
MEAN	2.845	3.509	3.900	4.314	4.443	4.617	4.904	5.108	5.507	6.008
CLOCK HR. COR.	1.140	1.070	1.094	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.352	2.429	2.404	1.985	1.866	1.892	1.588	1.524	1.466	1.124
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.000	1.000
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.000	1.000

KURTOSIS	9.500	10.448	10.594	7.965	7.307	7.516	6.439	6.259	5.781	5.470
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	9.100	11.350	12.430	12.430	12.670	13.580	13.580	14.180	14.740	14.740
NORMALIZED MAX	2.815	3.157	3.382	3.089	3.019	3.080	3.003	2.987	2.739	2.625
CALC. COEF. VAR	.781	.708	.697	.613	.630	.630	.589	.595	.575	.554
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	2.240	2.763	3.071	3.397	3.499	3.636	3.862	4.022	4.336	4.731
RP10/A	3.719	4.668	5.242	5.794	5.959	6.173	6.559	6.782	7.319	7.798
RP25/A	4.595	5.762	6.494	7.213	7.414	7.674	8.062	8.321	8.913	9.573
RP50/A	5.214	6.557	7.397	8.249	8.478	8.771	9.166	9.430	1.0086	1.0756
RP100/A	5.860	7.332	8.278	9.264	9.519	9.844	1.0199	1.0508	1.1202	1.1899
RP1000/A	7.879	9.814	1.1107	1.2535	1.2875	1.3304	1.3950	1.3937	1.4732	1.5471
RP10000/A	9.839	1.2210	1.3838	1.5712	1.6135	1.6668	1.6764	1.7221	1.8094	1.8851
PMP/A	1.8840	2.4105	2.7394	3.0293	3.1103	3.2104	3.4043	3.4911	3.7704	4.0285

PEARSON TYPE III DISTRIBUTION USED
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PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 606 0	STATION NAME BEAUMONT	ELEV 2613	SEC 10	TWP 025	RNG LOT 01W	8W 5	LATITUDE 33.933	LONGITUDE 116.967	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.27	2.87	3.21	3.45	3.63	3.79	4.19	4.46	5.14	5.72	6.79	9.09	16.96
5	3.44	4.40	4.98	5.37	5.65	5.88	6.45	6.82	7.83	8.60	10.05	13.67	23.65
10	4.24	5.43	6.17	6.67	7.01	7.30	7.93	8.36	9.56	10.42	12.12	16.68	28.13
20	5.00	6.40	7.28	7.91	8.32	8.65	9.45	9.88	11.16	12.09	14.02	19.49	
25	5.24	6.70	7.63	8.30	8.73	9.07	9.74	10.25	11.68	12.61	14.61	20.36	33.24
40	5.73	7.39	8.38	9.12	9.58	9.96	10.64	11.19	12.73	13.67	15.81	22.44	35.70
50	5.98	7.63	8.63	9.36	9.82	10.20	10.87	11.42	12.96	13.91	16.05	22.62	36.84
100	6.68	8.53	9.74	10.67	11.20	11.64	12.32	12.95	14.63	15.67	18.08	25.61	40.30
200	7.38	9.41	10.75	11.82	12.41	12.89	13.57	14.25	16.05	17.12	19.73	28.13	43.63
1000	10.68	11.42	13.00	14.43	15.15	15.73	16.37	17.18	19.24	20.36	23.42	33.83	51.05
10000	11.21	14.20	16.27	18.09	18.99	19.71	20.26	21.23	23.62	24.83	28.48	41.72	61.13
PMP	21.47	28.04	32.22	34.89	36.61	37.96	41.14	43.03	49.23	53.06	60.52	84.12	130.81
MEAN	2.553	3.214	3.612	3.911	4.118	4.299	4.667	4.957	5.662	6.232	7.367	10.056	18.068
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.390	.948	.674	.936	1.170	1.125	.762	.846	.955	.810	.893	1.016	.560
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.400	1.300	1.300	1.300	1.300	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.980
KURTOSIS	5.027	2.585	2.991	3.577	4.486	4.182	3.073	2.694	4.203	3.564	3.509	3.783	2.820
N	50	50	50	50	50	50	50	50	50	50	50	50	63
RECORD YEAR	1969	1969	1969	1967	1967	1967	1967	1967	1916	1916	1916	1969	1937
RECORD MAXIMUM	5.060	5.750	7.140	8.220	9.710	9.710	9.710	9.710	14.080	14.580	16.410	24.100	34.000
NORMALIZED MAX	2.285	1.691	2.233	2.483	3.035	3.035	3.035	3.035	2.927	2.927	2.927	1.271	1.437
CALC. COEF. VAR	.430	.417	.437	.444	.447	.443	.433	.426	.451	.458	.429	.454	.355
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1413	1.1779	1.1999	1.2165	1.2279	1.2380	1.2583	1.2743	1.3134	1.3449	1.4077	1.5566	1.0000
RP1/A	1.2346	1.3005	1.3412	1.3692	1.3892	1.4040	1.4387	1.4626	1.5289	1.5765	1.6706	1.9229	1.5570
RP25/A	1.3710	1.4710	1.5310	1.5810	1.6210	1.6510	1.7010	1.7410	1.8410	1.9010	2.0810	2.4110	1.8370
RP50/A	1.3301	1.4221	1.4814	1.5257	1.5523	1.5740	1.6117	1.6432	1.7289	1.7842	1.9363	2.1743	2.0392
RP100/A	1.3696	1.4720	1.5388	1.5904	1.6201	1.6443	1.6821	1.7167	1.8095	1.8672	1.0000	1.4173	2.2303
RP1000/A	1.4969	1.6319	1.7230	1.7988	1.8387	1.8708	1.9063	1.9507	1.0648	1.1279	1.2964	1.6724	2.8254
RP10000/A	1.6205	1.7861	1.9067	1.9613	1.9919	1.9999	1.9999	1.9999	1.7443	1.7561	2.3900	3.3833	2.8254
PMP/A	1.1682	1.5519	1.7832	1.9309	2.0262	2.1011	2.2769	2.3613	2.7246	2.9349	3.3497	4.6559	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 607 0	STATION NAME BEAUMONT PUMP PLANT	ELEV 3045	SEC 22	TWP 025	RNG LOT 01W	8W 5	LATITUDE 33.983	LONGITUDE 116.967	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.66	3.44	3.81	4.10	4.32	4.54	4.94	5.37	6.08	6.60	7.61	10.42	19.36
5	4.04	5.28	5.91	6.39	6.71	7.04	7.60	8.21	9.26	9.92	11.28	15.67	27.23
10	4.97	6.51	7.31	7.94	8.34	8.74	9.35	10.06	11.30	12.02	13.60	19.11	32.12
20	5.86	7.67	8.64	9.42	9.89	10.36	10.98	11.80	13.21	13.95	15.73	22.33	36.38
25	6.14	8.04	9.05	9.88	10.38	10.87	11.49	12.35	13.80	14.55	16.39	23.34	37.95
40	6.72	8.79	9.91	10.85	11.39	11.92	12.54	13.47	14.98	15.77	17.74	25.42	40.76
50	6.98	9.15	10.31	11.30	11.87	12.42	13.03	13.99	15.58	16.35	18.37	26.39	42.06
100	7.83	10.23	11.54	12.69	13.33	13.94	14.53	15.59	17.30	18.08	20.28	29.35	46.00
200	8.65	11.29	12.75	14.06	14.76	15.44	16.00	17.16	18.98	19.75	22.14	32.24	49.81
1000	10.53	13.69	15.49	17.18	18.02	18.84	19.31	20.68	22.75	23.51	26.28	38.77	56.28
10000	13.14	17.03	19.30	21.53	22.59	23.60	24.69	25.66	27.95	28.64	31.95	47.81	69.79
PMP	25.17	33.63	38.20	41.52	43.54	45.46	48.51	51.81	58.24	61.22	67.91	96.41	149.34
MEAN	2.993	3.854	4.283	4.655	4.898	5.148	5.503	5.968	6.698	7.189	8.267	11.525	20.627
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.630	1.194	1.217	1.539	1.567	1.407	1.143	1.151	1.201	1.180	.949	.968	.575
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	5.561	4.308	4.158	5.774	5.869	5.124	4.112	4.200	4.474	4.607	3.909	3.294	2.884
N	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1922	1916	1916	1916	1963	1937
RECORD MAXIMUM	7.050	9.650	11.240	14.060	14.450	14.570	14.590	15.860	18.060	19.600	21.430	26.300	36.100
NORMALIZED MAX	2.210	2.969	3.363	3.692	3.667	3.498	3.275	3.014	3.269	3.505	3.390	2.831	2.591
CALC. COEF. VAR	.505	.507	.528	.544	.532	.523	.504	.505	.516	.493	.470	.463	.329
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.151	1.168	1.2076	1.2257	1.2374	1.2496	1.2668	1.2893	1.3247	1.3485	1.4208	1.5587	1.0000
RP1/A	1.2409	1.3157	1.3544	1.3849	1.4044	1.4237	1.4531	1.4879	1.5480	1.5826	1.6925	1.9265	1.5370
RP25/A	1.2976	1.3897	1.4388	1.4792	1.5032	1.5268	1.5570	1.5886	1.6608	1.7052	1.7945	1.1314	1.8397
RP50/A	1.3390	1.4434	1.5000	1.5480	1.5754	1.6021	1.6319	1.6784	1.7552	1.7924	1.8906	1.2792	2.0392
RP100/A	1.3796	1.4958	1.5597	1.6154	1.6460	1.6758	1.7046	1.7559	1.8388	1.8763	1.9534	1.4227	2.2303
RP1000/A	1.5103	1.6637	1.7509	1.8234	1.8738	1.9134	1.9561	1.0026	1.1031	1.1397	1.2742	1.8796	2.6254
RP10000/A	1.6372	1.8258	1.9356	1.6338	1.0951	1.1441	1.1581	1.2393	1.3549	1.3887	1.5490	2.3179	3.3833
PMP/A	1.2202	1.6303	1.6521	2.0129	2.1109	2.2038	2.3918	2.5115	2.8232	2.9677	3.2922	4.6738	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER 508 Y02 2805 0	STATION NAME ELLSINORE	ELEV 1285	SEC 07	TMP 065	RNG LOT 04W 8	8WM 5	LATITUDE 33.669	LONGITUDE 117.332	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.02	2.53	2.76	2.94	3.11	3.26	3.55	3.71	4.21	4.62	5.32	7.05	11.24
5	3.06	3.89	4.28	4.58	4.83	5.05	5.46	5.67	6.41	6.95	7.88	10.59	15.82
10	3.77	4.79	5.30	5.69	6.01	6.27	6.71	6.95	7.82	8.42	9.49	12.92	18.66
20	4.44	5.65	6.26	6.75	7.12	7.43	7.88	8.16	9.14	9.78	10.98	15.10	21.25
25	4.65	5.92	6.56	7.09	7.47	7.78	8.25	8.53	9.55	10.20	11.44	15.78	22.04
40	5.09	6.47	7.18	7.78	8.20	8.55	9.01	9.31	9.75	11.05	12.39	17.18	23.68
50	5.30	6.73	7.47	8.11	8.55	8.91	9.36	9.67	10.78	11.46	12.83	17.84	24.44
100	5.93	7.53	8.36	9.10	9.60	10.00	10.44	10.77	11.97	12.67	14.18	19.84	26.72
200	6.56	8.31	9.24	10.08	10.57	11.07	11.49	11.83	13.85	14.58	16.48	21.80	28.94
1000	7.98	10.08	11.22	12.32	12.98	13.51	13.87	14.29	15.75	16.48	18.35	26.21	33.86
10000	9.96	12.54	13.98	15.44	16.27	16.93	17.16	17.69	19.08	20.08	22.31	32.33	40.54
PMP	19.08	24.76	27.68	29.77	31.35	32.61	34.84	35.79	40.30	42.91	47.42	65.18	86.76

MEAN	2.268	2.637	3.103	3.338	3.527	3.693	3.952	4.123	4.635	5.039	5.772	7.792	11.983
CLOCK HR. COR.	1.140	1.076	1.047	1.030	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.068	1.170	1.233	1.281	1.305	1.319	1.349	1.377	1.419	1.427	1.503	1.278	1.039
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	4.384	3.921	4.158	4.730	4.612	4.250	3.739	3.990	5.113	5.380	4.894	4.627	3.531
RECORD YEAR	75	75	75	75	75	75	75	75	75	75	75	75	75
RECORD MAXIMUM	5.280	6.970	7.340	9.420	9.630	9.760	10.510	11.230	13.810	15.120	17.200	21.070	28.010
NORMALIZED MAX	2.859	2.782	2.524	3.254	3.007	2.866	2.948	3.106	3.399	3.488	3.562	3.007	2.747
CALC. COEF. VAR	.464	.524	.541	.560	.576	.573	.563	.555	.582	.574	.556	.567	.487
REGION. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416

MEAN/A	.1893	.2368	.2590	.2786	.2943	.3082	.3298	.3441	.3868	.4205	.4717	.6503	1.0000
RP10/A	.3143	.4001	.4421	.4752	.5013	.5232	.5601	.5803	.6528	.7029	.7823	1.0783	1.5570
RP25/A	.3882	.4939	.5473	.5915	.6237	.6505	.6885	.7119	.7966	.8608	.9550	1.3168	1.8397
RP50/A	.4423	.5620	.6236	.6765	.7132	.7434	.7811	.8068	.8995	.9560	1.0707	1.4888	2.0392
RP100/A	.4962	.6284	.6981	.7597	.8068	.8345	.8710	.8898	.9992	1.0573	1.1821	1.6568	2.2303
RP1000/A	.6657	.8411	.9366	1.0280	1.0831	1.1279	1.1571	1.1924	1.3140	1.3751	1.5316	2.1876	2.6254
RP10000/A	.8314	1.0465	1.1669	1.2885	1.3574	1.4129	1.4317	1.4738	1.6139	1.6755	1.8620	2.6977	3.3833
PMP/A	1.5919	2.0661	2.3101	2.4848	2.6165	2.7213	2.9072	2.9867	3.3629	3.5806	3.9573	5.4396	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER 508 Y02 3414 50	STATION NAME GILMAN HOT SPRINGS		ELEV 1648	SEC 09	TMP 045	RNG LOT 01W	8WM 5	LATITUDE 33.834	LONGITUDE 116.948	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.62	2.15	2.19	2.28	2.41	2.60	2.93	3.08	3.41	3.63	4.42	5.96	10.54
5	2.47	3.31	3.40	3.54	3.75	4.03	4.50	4.70	5.19	5.46	6.55	8.96	14.82
10	3.08	4.08	4.21	4.41	4.66	5.00	5.73	5.77	6.34	6.61	7.89	10.93	17.48
20	3.58	4.80	4.97	5.23	5.53	5.92	6.50	6.76	7.40	7.68	9.13	12.77	19.91
25	3.75	5.03	5.21	5.48	5.80	6.21	6.80	7.07	7.73	8.01	9.51	13.35	20.65
40	4.11	5.50	5.70	6.02	6.37	6.82	7.43	7.72	8.50	8.88	10.30	14.53	22.18
50	4.27	5.72	5.93	6.27	6.63	7.10	7.72	8.02	8.73	9.00	10.47	15.09	22.89
100	4.78	6.40	6.64	7.04	7.45	7.97	8.61	8.93	9.70	9.95	11.78	16.78	25.04
200	5.29	7.08	7.34	7.80	8.25	8.82	9.47	9.83	10.64	10.87	12.85	18.44	27.11
1000	6.43	8.57	8.91	9.53	10.07	10.77	11.43	11.85	12.76	12.94	15.26	22.17	31.72
10000	8.03	10.68	11.10	11.95	12.62	13.49	14.15	14.84	15.67	15.76	18.55	27.34	37.98
PMP	15.38	21.05	21.98	23.04	24.33	25.99	28.73	29.68	32.65	33.69	39.43	55.13	81.28

MEAN	1.828	2.412	2.484	2.583	2.737	2.943	3.259	3.419	3.755	3.957	4.799	6.590	11.227
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.973	.700	.415	1.323	1.311	1.258	.906	1.306	1.030	.976	.786	1.381	1.998
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900

KURTOSIS	9.022	2.881	2.692	5.447	6.052	5.293	3.579	4.777	4.100	3.789	3.108	5.398	4.559
RECORD YEAR	27	27	26	25	26	26	26	25	27	27	27	27	27
RECORD MAXIMUM	1966	1966	1969	1974	1974	1974	1974	1966	1969	1969	1966	1969	1958
NORMALIZED MAX	3.910	4.160	4.230	5.460	5.990	6.280	6.560	7.000	7.170	7.630	8.880	15.390	22.180
CALC. COEF. VAR	2.894	1.979	2.087	2.876	3.119	2.904	2.433	2.540	2.309	2.406	2.070	2.977	2.533
REGION. COEF. VAR	.394	.366	.367	.381	.381	.354	.312	.304	.277	.277	.247	.448	.385
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1628	.2149	.2195	.2301	.2438	.2621	.2903	.3045	.3345	.3524	.4275	.5870	1.0000
RP10/A	.2704	.3630	.3747	.3925	.4152	.4450	.4930	.5135	.5645	.5891	.7031	.9734	1.5570
RP25/A	.3340	.4482	.4639	.4886	.5133	.5430	.6000	.6300	.6889	.7131	.8475	1.1887	1.6937
RP50/A	.3805	.5099	.5286	.5588	.5907	.6224	.6875	.7140	.7779	.8013	.9502	1.3420	2.0392
RP100/A	.4260	.5702	.5917	.6275	.6632	.7096	.7666	.7956	.8640	.8861	1.0490	1.4948	2.2303
RP1000/A	.5727	.7632	.7939	.8490	.8971	.9593	1.0185	1.0553	1.1363	1.1525	1.3592	1.9748	2.8254
RP10000/A	.7152	.9496	.9891	1.0643	1.1242	1.2018	1.2601	1.3043	1.3958	1.4044	1.6424	2.493	3.393
PMP/A	1.3895	1.8747	1.9581	2.0523	2.1871	2.3147	2.5568	2.6433	2.9081	3.0010	3.5118	4.9105	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y02 3889 0	STATION NAME HEMET RESERVOIR	ELEV 476	SEC 4355	TWP 09	RNG 065	LOT 03W H S	BWM S	LATITUDE 33.667	LONGITUDE 116.667	COUNTY 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.31	2.97	3.28	3.47	3.69	3.86	4.17	4.50	5.11	5.65	6.45	8.92	17.56
5	3.51	4.56	5.09	5.40	5.74	5.99	6.41	6.87	7.78	8.49	9.55	13.27	24.70
10	4.32	5.62	6.30	6.72	7.14	7.44	7.88	8.43	9.50	10.29	11.52	16.18	29.14
20	5.09	6.63	7.44	7.97	8.46	8.81	9.25	9.89	11.10	11.95	13.32	18.91	33.18
25	5.33	6.94	7.80	8.36	8.88	9.24	9.68	10.34	11.60	12.46	13.88	19.76	34.43
40	5.84	7.60	8.54	9.18	9.75	10.14	10.57	11.28	11.84	13.51	15.03	21.52	36.98
50	6.08	7.94	8.89	9.54	10.12	10.51	10.97	11.72	12.16	14.00	15.47	22.34	38.18
100	6.80	8.83	9.95	10.74	11.40	11.86	12.25	13.06	14.55	15.68	17.18	24.85	41.74
200	7.52	9.75	10.99	11.98	12.63	13.13	13.48	14.37	15.96	16.92	18.75	27.30	45.19
1000	9.15	11.82	13.34	14.53	15.42	16.03	16.27	17.32	19.13	20.14	22.27	32.83	52.68
10000	11.42	14.71	16.63	18.21	19.33	20.05	20.13	21.41	23.67	24.67	27.07	40.48	63.31
PMP	21.67	29.04	32.92	35.12	37.25	38.67	40.88	43.39	48.96	52.43	57.53	81.62	135.49
MEAN	2.601	3.329	3.698	3.937	4.191	4.380	4.637	4.999	5.631	6.158	7.003	9.757	18.714
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.365	1.734	1.612	1.532	1.542	1.512	1.501	1.293	1.086	1.036	1.080	1.515	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	10.472	6.743	5.988	5.413	5.567	5.467	4.810	4.696	3.444	3.167	2.517	2.945	2.785
N	74	74	74	74	74	74	74	74	74	74	74	74	74
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1922	1922	1922	1922	1922	1937
RECORD MAXIMUM	7.750	9.700	10.820	11.540	12.540	12.720	12.910	13.470	13.470	14.740	15.740	22.510	34.270
NORMALIZED MAX	3.899	3.647	3.583	3.520	3.598	3.580	3.318	3.218	2.832	2.785	2.661	2.875	2.408
CALC. COEF. VAR	.508	.525	.539	.548	.539	.532	.509	.511	.492	.500	.469	.455	.345
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1390	.1779	.1972	.2104	.2239	.2340	.2478	.2671	.3009	.3290	.3742	.5214	1.0000
RP10/A	.2367	.3005	.3366	.3589	.3814	.3973	.4208	.4504	.5078	.5500	.6155	.8646	1.5570
RP25/A	.2850	.3710	.4167	.4458	.4745	.4940	.5173	.5526	.6197	.6658	.7419	1.0558	1.6397
RP50/A	.3247	.4222	.4748	.5110	.5426	.5646	.5868	.6263	.6996	.7481	.8318	1.1937	2.0392
RP100/A	.3635	.4720	.5315	.5738	.6092	.6337	.6544	.6978	.7773	.8273	.9162	1.3277	2.2303
RP1000/A	.4867	.6318	.7131	.7784	.8240	.8565	.8894	.9256	1.0222	1.0760	1.1896	1.7540	2.8254
RP10000/A	.6103	.7861	.8885	.9732	1.0327	1.0729	1.0756	1.1440	1.2555	1.3110	1.4464	2.1630	3.3833
PMP/A	1.1687	1.5520	1.7588	1.9767	1.9907	2.0666	2.1843	2.3184	2.6111	2.8018	3.0741	4.3615	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB Y02 3896 0	STATION NAME HEMET	ELEV 176	SEC 1630	TWP 11	RNG LOT 055 01W P	BWM S	LATITUDE 33.750	LONGITUDE 116.950	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.63	2.00	2.19	2.35	2.52	2.63	2.87	3.09	3.41	3.75	4.45	6.04	10.85
5	2.47	3.07	3.39	3.65	3.92	4.07	4.41	4.72	5.20	5.63	6.59	9.09	14.98
10	3.04	3.78	4.20	4.54	4.86	5.05	5.42	5.79	6.34	6.83	7.94	11.09	17.67
20	3.89	4.46	4.96	5.39	5.77	5.99	6.37	6.79	7.41	7.92	9.19	12.95	20.12
25	3.76	4.67	5.20	5.65	6.05	6.28	6.67	7.10	7.74	8.26	9.57	13.54	20.88
40	4.12	5.11	5.69	6.21	6.68	6.89	7.28	7.75	7.99	8.96	10.37	14.74	22.43
50	4.28	5.32	5.92	6.47	6.92	7.18	7.56	8.05	8.74	9.28	10.73	15.31	25.14
100	4.79	5.94	6.63	7.26	7.77	8.06	8.43	8.97	9.71	10.27	11.85	17.02	25.31
200	5.30	6.58	7.33	8.04	8.61	8.92	9.29	9.87	10.65	11.22	12.93	18.70	27.41
1000	6.45	7.98	8.90	9.62	10.51	10.89	11.21	11.89	12.77	13.35	15.35	22.49	32.07
10000	8.05	9.90	11.09	12.31	13.17	13.64	13.86	14.70	15.68	16.27	18.67	27.73	38.40
PMP	15.41	19.54	21.95	23.75	25.39	26.27	28.15	29.79	32.68	34.77	39.67	55.92	82.17
MEAN	1.833	2.240	2.460	2.662	2.856	2.975	3.194	3.432	3.758	4.083	4.829	6.685	11.349
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.440	1.043	.878	.911	.842	.868	.548	.556	.455	.374	.543	.848	1.254
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	6.053	4.408	3.767	3.475	3.234	3.589	2.880	2.827	2.665	2.542	2.897	3.698	4.911
RECORD YEAR	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD MAXIMUM	1943	1943	1943	1967	1967	1943	1943	1943	1941	1941	1941	1941	1937
NORMALIZED MAX	3.890	4.730	5.160	5.500	5.500	6.170	6.170	6.350	6.300	7.090	8.000	14.200	25.000
CALC. COEF. VAR	2.928	2.707	2.638	2.538	2.500	2.607	2.607	2.603	2.603	2.964	3.258	5.899	9.952
REGN. COEF. VAR	.397	.411	.416	.422	.426	.403	.385	.364	.370	.375	.379	.437	.407
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1615	.1973	.2168	.2366	.2517	.2622	.2814	.3024	.3311	.3598	.4255	.5891	1.0000
RP10/A	.3361	.4339	.4801	.5166	.5451	.5688	.6020	.6360	.6820	.7200	.8099	1.1570	1.9570
RP25/A	.3312	.4116	.4581	.4951	.5233	.5533	.5875	.6256	.6820	.7200	.8036	1.1926	1.9397
RP50/A	.3774	.4683	.5220	.5697	.6098	.6324	.6685	.7091	.7702	.8180	.9458	1.3487	2.0392
RP100/A	.4225	.5237	.5844	.6397	.6847	.7098	.7432	.7701	.8554	.9046	1.0441	1.5008	2.2303
RP1000/A	.5680	.7100	.7946	.8658	.9262	.9594	.9874	1.0170	1.1250	1.1768	1.3529	1.9817	2.8254
RP10000/A	.7093	.8722	.9768	1.0850	1.1607	1.2018	1.2216	1.2953	1.3817	1.4336	1.6447	2.4437	3.3833
PMP/A	1.3582	1.7218	1.9338	2.204	2.3274	2.3149	2.4807	2.6250	2.6791	3.0637	3.4956	4.9275	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 4211 0	STATION NAME IOYLWIL0 FIRE STATION		ELEV 5397	SEC 07	TWP 05S	RNG LOT 03E P	BM S	LATITUDE 33.746	LONGITUDE 116.713	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.93	4.16	4.39	4.58	4.87	5.10	5.47	5.96	6.85	7.48	8.63	11.87	22.67
5	4.44	6.39	6.82	7.13	7.57	7.91	8.42	9.11	10.43	11.24	12.79	17.85	31.89
10	5.47	7.88	8.43	8.86	9.40	9.62	10.35	11.17	12.73	13.62	15.41	21.77	37.62
20	6.45	9.29	9.96	10.51	11.15	11.63	12.16	13.10	14.87	15.61	17.83	25.44	42.84
25	6.76	9.73	10.44	11.03	11.70	12.20	12.72	13.70	15.54	16.49	18.58	26.58	44.45
40	7.40	10.65	11.43	12.11	12.84	13.39	13.88	14.95	15.86	17.88	20.11	28.95	47.75
50	7.70	11.07	11.90	12.62	13.38	13.95	14.43	15.53	17.55	18.53	20.83	30.06	49.27
100	8.62	12.38	13.32	14.17	15.02	15.66	16.09	17.30	19.49	20.49	22.99	33.43	53.69
200	9.53	13.47	14.47	15.70	16.46	17.34	17.72	19.03	21.38	22.39	25.18	36.72	58.35
1000	11.59	16.58	17.87	19.18	20.32	21.16	21.36	22.95	25.63	26.65	29.79	44.16	68.27
10000	14.47	20.62	22.26	24.04	25.46	26.51	26.45	26.37	31.48	32.47	36.22	54.46	81.75
PMP	27.71	40.71	44.07	46.35	49.08	51.06	53.72	57.48	65.60	69.39	76.98	109.81	174.94

MEAN	3.295	4.666	4.940	5.196	5.521	5.782	6.094	6.623	7.544	8.149	9.371	13.128	24.163
CLOCK HR. COR.	1.140	1.070	1.000	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGULATED SKEW	0.994	1.346	1.449	1.508	1.591	1.650	1.744	1.822	2.037	2.164	2.474	3.743	7.09
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	3.783	4.561	5.346	7.640	8.587	8.411	6.886	6.190	4.733	3.769	3.190	3.028	3.219
N	27	27	27	27	27	27	27	27	27	27	27	27	27
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1952
RECORD MAXIMUM	6.999	11.950	13.060	14.800	17.050	17.997	17.850	17.880	17.880	17.880	18.710	25.800	41.600
NORMALIZED MAX	2.047	2.599	2.697	3.385	3.562	3.535	3.362	3.236	2.818	2.548	2.205	2.227	2.044
CALC. COEF. VAR	.499	.601	.609	.622	.627	.590	.474	.525	.486	.469	.452	.433	.354
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416

MEAN/A	.1364	.1931	.2045	.2151	.2285	.2393	.2522	.2741	.3122	.3373	.3878	.5433	1.0000
RP10/A	.3268	.4568	.4804	.5084	.5468	.5784	.6284	.6884	.7884	.8384	.9884	1.5884	2.572
RP25/A	.2797	.4028	.4321	.4567	.4842	.5051	.5295	.5670	.6431	.6824	.7689	1.1002	1.8397
RP50/A	.3186	.4883	.4923	.5223	.5537	.5773	.5983	.6426	.7263	.7668	.8620	1.2439	2.0392
RP100/A	.3567	.5125	.5511	.5865	.6217	.6479	.6661	.7168	.8066	.8480	.9517	1.3935	2.2303
RP1000/A	.4796	.6880	.7394	.7936	.8408	.8757	.8845	.9498	1.0808	1.1023	1.2331	1.6278	2.6254
RP10000/A	.5989	.8535	.9213	.9948	1.0538	1.0970	1.0948	1.1740	1.3029	1.3438	1.4990	2.2539	3.3833
PMP/A	1.1469	1.6850	1.8238	1.9183	2.0313	2.1130	2.2232	2.3791	2.7149	2.8718	3.1859	4.5448	7.2400

PRECIPITATION DEPTH=DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB Y02 5736 0	STATION NAME NOCKINGB0 RESERVOIR		ELEV 1007	SEC 21	TWP 03S	RNG LOT 05W	BM S	LATITUDE 33.897	LONGITUDE 117.415	COUNTY CODE 33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.37	1.80	1.92	2.00	2.20	2.05	2.44	2.64	2.74	3.06	3.55	5.13	8.67
5	2.08	2.77	2.98	3.25	3.42	3.18	3.75	4.04	4.17	4.60	5.26	7.72	12.19
10	2.56	3.41	3.69	4.03	4.25	3.95	4.61	4.95	5.09	5.58	6.34	9.41	14.38
20	3.02	4.02	4.36	4.79	5.04	4.68	5.41	5.81	5.95	6.47	7.34	11.00	16.38
25	3.17	4.21	4.57	5.02	5.29	4.91	5.66	6.08	6.22	6.75	7.65	11.49	16.99
40	3.47	4.61	5.00	5.51	5.80	5.38	6.18	6.63	6.35	7.32	8.28	12.51	18.23
50	3.61	4.79	5.21	5.74	6.04	5.61	6.42	6.89	7.02	7.58	8.57	12.99	18.64
100	4.04	5.36	5.83	6.45	6.79	6.29	7.16	7.67	7.80	8.39	9.46	14.45	20.60
200	4.46	5.91	6.44	7.14	7.52	6.97	7.89	8.44	8.55	9.17	10.33	15.87	22.31
1000	5.43	7.17	7.82	8.73	9.18	8.51	9.92	10.18	10.25	10.91	12.26	19.09	26.10
10000	6.78	8.92	9.74	10.94	11.51	10.66	11.78	12.58	12.59	13.29	14.91	23.54	31.25
PMP	12.98	17.62	19.29	21.09	22.18	20.92	23.91	25.48	26.24	28.40	31.69	47.46	66.88

MEAN	1.543	2.019	2.162	2.365	2.495	2.324	2.713	2.937	3.018	3.335	3.857	5.674	9.238
CLOCK HR. COR.	1.140	1.070	1.000	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.610	.806	.869	.944	.895	.810	.894	.921	.929	.949	.977	1.228	1.420
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	2.200	3.424	3.524	2.905	3.828	2.626	3.614	3.157	2.994	2.956	2.787	4.226	5.331
N	34	33	33	32	33	30	32	32	33	33	34	34	34
RECORD YEAR	1969	1943	1943	1943	1967	1943	1969	1943	1969	1943	1969	1969	1941
RECORD MAXIMUM	2.340	3.880	4.370	4.670	5.370	3.700	5.520	5.720	5.580	6.290	6.700	12.660	21.900
NORMALIZED MAX	1.376	2.261	2.361	2.259	2.733	1.742	2.500	2.387	2.276	2.318	1.949	2.540	3.220
CALC. COEF. VAR	.375	.406	.433	.432	.422	.340	.414	.397	.373	.382	.373	.485	.429
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416
MEAN/A	.1671	.2186	.2341	.2560	.2700	.2516	.2937	.3179	.3267	.3611	.4175	.6142	1.0000
RP10/A	.2774	.3693	.3995	.4307	.4599	.4272	.4907	.5302	.5514	.6035	.6667	1.0185	1.5570
RP25/A	.3427	.4559	.4946	.5436	.5723	.5311	.6131	.6578	.6729	.7306	.8278	1.2438	1.8397
RP50/A	.3794	.5198	.5636	.6217	.6544	.6070	.6995	.7465	.7599	.8207	.9260	1.4003	2.0392
RP100/A	.4371	.5881	.6309	.6981	.7347	.6813	.7758	.8306	.8440	.9078	1.0245	1.5648	2.2303
RP1000/A	.5876	.7765	.8445	.9446	.9938	.9208	1.0303	1.1018	1.1099	1.1807	1.3275	2.0663	2.9254
RP10000/A	.7338	.9661	1.0546	1.1841	1.2454	1.1535	1.2748	1.3618	1.3632	1.4386	1.6138	2.5481	3.3833
PMP/A	1.4050	1.9073	2.0878	2.2834	2.4007	2.2217	2.5886	2.7598	2.8045	3.0744	3.4300	5.1379	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE															
STATION NO.		STATION NAME		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
BSN ORDER SUB		SAN JACINTO		1535	22	04S	01W	5	33-800	116-993	33				
Y02 7810															
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS															
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650		
2	1.64	2.12	2.39	2.50	2.64	2.79	3.07	3.33	3.78	4.16	4.87	6.47	11.78		
5	2.50	3.26	3.70	3.90	4.11	4.33	4.73	5.09	5.75	6.26	7.21	9.72	16.57		
10	3.07	4.02	4.58	4.95	5.10	5.37	5.91	6.24	7.02	7.58	8.70	11.86	19.35		
20	3.62	4.74	5.41	5.75	6.05	6.36	6.93	7.32	8.20	8.80	10.06	13.86	22.26		
25	3.80	4.96	5.67	6.03	6.35	6.68	7.14	7.65	8.57	9.16	10.48	14.48	23.10		
40	4.16	5.43	6.21	6.62	6.97	7.33	7.80	8.35	9.75	9.95	11.35	15.77	24.61		
50	4.32	5.64	6.46	6.90	7.26	7.63	8.10	8.67	9.68	10.31	11.75	16.23	25.80		
100	4.84	6.31	7.24	7.75	8.15	8.56	9.04	9.67	10.75	11.41	12.97	18.21	28.00		
200	5.35	6.96	7.99	8.59	9.03	9.48	9.95	10.63	11.70	12.47	14.16	20.00	30.32		
1000	6.91	8.45	9.71	10.48	11.02	11.58	12.00	12.82	14.13	14.84	16.81	24.06	35.47		
10000	8.13	10.51	12.10	13.14	13.85	14.50	14.85	15.85	17.36	18.08	20.44	29.66	42.48		
PMP	15.56	20.75	23.95	25.34	26.63	27.93	30.16	32.11	36.17	38.63	43.44	59.81	90.89		
MEAN	1.851	2.378	2.685	2.841	2.996	3.163	3.421	3.700	4.160	4.537	5.287	7.151	12.555		
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
CALCULATED SKEW	1.755	1.099	1.033	1.033	1.009	0.988	0.978	1.000	0.978	0.999	0.911	0.889	0.900		
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.000	1.000	1.000	1.200	.900		
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.000	1.000	1.000	1.200	.900		
KURTOSIS	3.022	4.517	7.769	7.777	6.963	6.091	6.226	7.552	5.486	5.820	4.313	3.531	3.781		
RECORD YEAR	74	74	74	74	74	74	74	74	74	74	74	74	74		
RECORD YEAR	1927	1927	1927	1927	1927	1927	1922	1922	1922	1922	1922	1922	1922		
RECORD MAXIMUM	3.350	5.600	7.970	6.520	8.750	8.940	9.230	11.230	11.560	12.670	13.300	17.360	25.170		
NORMALIZED MAX	2.085	3.205	4.300	4.320	4.144	3.985	3.711	4.381	3.782	3.672	3.338	3.155	2.732		
CALC. COEF. VAR	.399	.423	.458	.443	.444	.459	.457	.447	.473	.463	.454	.452	.438		
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416		
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416		
MEAN/A	1.1474	1.0894	1.2138	1.2263	1.2386	1.2519	1.2725	1.2947	1.3314	1.3614	1.4212	1.5696	1.0000		
RP10/A	1.2447	1.3201	1.3850	1.3859	1.4084	1.4277	1.4629	1.4989	1.5593	1.6040	1.6927	1.9444	1.5770		
RP25/A	1.3023	1.3951	1.4510	1.4604	1.5056	1.5317	1.5689	1.6096	1.6826	1.7312	1.8350	1.1534	1.1937		
RP50/A	1.3444	1.4498	1.5149	1.5405	1.5782	1.6077	1.6454	1.6909	1.7708	1.8216	1.9361	1.3040	1.3592		
RP100/A	1.3836	1.5027	1.5764	1.6171	1.6492	1.6822	1.7197	1.7699	1.8591	1.9088	1.0335	1.4503	2.2303		
RP1000/A	1.5184	1.6729	1.7734	1.8349	1.8781	1.9220	1.9562	1.0211	1.1259	1.1817	1.3391	1.9161	2.6254		
RP10000/A	1.5474	1.8372	1.9638	1.0488	1.1096	1.1556	1.1830	1.2622	1.3828	1.4368	1.6271	2.3828	3.3633		
PMP/A	1.2397	1.6527	1.9075	2.0182	2.1212	2.2246	2.3253	2.4253	2.8014	3.0749	3.5988	4.7044	7.2400		

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE														
STATION NO.	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
BSN ORDER SUB														
Y02 7011 0	SAN JACINTO RES	1500	29	04S	01W	5	33-792	116-997	33					
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.57	2.13	2.29	2.48	2.60	2.72	3.02	3.25	3.52	3.67	4.55	6.03	10.23	
5	2.39	3.20	3.56	3.88	4.05	4.21	4.84	5.07	5.38	5.52	6.75	9.07	14.39	
10	2.94	4.04	4.40	4.79	5.03	5.22	5.70	6.10	6.54	6.68	8.13	11.06	16.99	
20	3.48	4.76	5.20	5.69	5.96	6.19	6.70	7.15	7.64	7.78	9.41	12.92	19.34	
25	3.63	4.99	5.45	5.97	6.25	6.49	7.01	7.48	7.99	8.09	9.80	13.50	20.08	
40	3.97	5.46	5.96	6.45	6.75	7.13	7.65	8.16	8.71	8.78	10.61	14.71	21.55	
50	4.14	5.68	6.21	6.72	7.16	7.42	7.95	8.48	9.02	9.09	10.99	16.27	22.24	
100	4.63	6.35	6.95	7.68	8.03	8.33	8.87	9.44	10.02	10.08	12.13	16.98	24.32	
200	5.12	7.01	7.67	8.49	8.90	9.23	9.76	10.39	10.99	10.99	13.24	18.85	26.33	
1000	6.23	8.50	9.32	10.37	10.87	11.26	11.70	12.53	13.17	13.08	15.72	22.43	30.81	
10000	7.77	10.57	11.61	13.00	13.62	14.11	14.58	15.48	16.18	15.93	19.11	27.64	36.89	
PMP	14.89	20.87	22.99	25.07	26.25	27.17	29.60	31.38	33.71	34.05	40.61	55.78	76.95	
MEAN	1.770	2.392	2.577	2.810	2.953	3.077	3.358	3.615	3.877	3.999	4.944	6.668	10.905	
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.104	.464	.503	.4946	1.037	.817	.595	.565	.641	.513	.984	1.290	1.237	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.000	1.000	1.000	1.200	.900	
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.400	1.200	1.000	1.000	1.000	1.200	.900	
KURTOSIS	4.510	1.975	2.298	3.896	4.027	3.590	2.686	2.990	3.219	3.058	3.692	5.297	9.146	
RECORD YEAR	26	26	26	26	26	26	26	26	26	25	26	26	26	
RECORD MAXIMUM	1966	1966	1969	1974	1974	1974	1974	1974	1968	1969	1958	1969	1958	
NORMALIZED MAX	3.410	3.800	4.040	6.210	6.430	6.490	6.710	6.990	7.350	7.320	11.120	16.080	25.260	
RECORD YEAR	1962	1962	1962	1974	1974	1974	1974	1974	1968	1968	1968	1968	1968	
CALC. COEF. VAR	.411	.414	.426	.466	.460	.449	.479	.448	.431	.407	.485	.483	.452	
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416	
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.416	
MEAN/A	1.623	2.194	2.363	2.577	2.708	2.822	3.279	3.315	3.556	3.667	4.534	6.115	1.0000	
RP10/A	2.695	3.767	4.034	4.396	4.612	4.682	5.300	5.559	6.001	6.130	7.456	10.197	1.9570	
RP25/A	3.226	4.576	4.936	5.336	5.560	5.630	6.379	6.732	7.420	7.420	8.988	12.362	1.6397	
RP50/A	3.793	5.200	5.591	6.258	6.562	6.607	7.293	7.773	8.270	8.338	1.0077	1.0000	2.0392	
RP100/A	4.246	5.821	6.370	7.029	7.368	7.480	8.132	8.660	9.195	9.221	1.1125	1.0000	2.2303	
RP1000/A	5.709	7.792	8.547	9.950	10.668	1.0328	1.0806	1.1487	1.2000	1.1992	1.4414	2.0971	2.6294	
RP10000/A	7.129	9.695	1.0848	1.1920	1.2489	1.2689	1.3307	1.4199	1.4837	1.4612	1.7523	2.5367	3.3933	
PMP/A	1.3521	1.9140	2.1081	2.9509	2.5074	2.2674	2.7144	2.6774	3.0913	3.1277	3.7263	5.1169	6.2856	

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BNM	LATITUDE	LONGITUDE	COUNTY CODE			
Y02 7813 30	SAN JACINTO SOF	1560	35	045	01W	8	S	33.787	116.958	33			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.60	2.11	2.24	2.37	2.54	2.62	2.89	3.16	3.49	3.77	4.48	5.82	10.78
5	2.43	3.24	3.48	3.69	3.95	4.07	4.44	4.83	5.31	5.66	6.64	8.75	15.16
10	3.00	3.99	4.31	4.58	4.91	5.05	5.46	5.92	6.49	6.86	8.01	10.67	17.89
20	3.53	4.70	5.09	5.44	5.82	5.98	6.41	6.95	7.58	7.97	9.26	12.47	20.37
25	3.70	4.93	5.34	5.70	6.11	6.28	6.71	7.27	7.91	8.31	9.65	13.03	21.14
40	4.05	5.39	5.84	6.26	6.71	6.89	7.32	7.93	8.68	9.01	10.45	14.19	22.70
50	4.22	5.61	6.08	6.52	6.99	7.17	7.61	8.24	8.94	9.33	10.82	14.73	23.43
100	4.72	6.27	6.81	7.35	7.84	8.05	8.49	9.18	9.93	10.32	11.95	16.30	25.02
200	5.22	6.92	7.52	8.12	8.69	8.92	9.34	10.10	10.89	11.28	13.04	18.00	27.74
1000	6.55	8.39	9.13	9.91	10.61	10.86	11.28	12.17	13.06	13.43	15.48	21.64	32.46
10000	7.92	10.44	11.38	12.43	13.30	13.63	13.95	15.05	16.03	16.36	18.82	26.69	38.87
PMF	15.17	20.61	22.53	23.96	25.63	26.26	28.33	30.49	33.41	34.96	39.99	53.81	83.18
MEAN	1.804	2.362	2.525	2.687	2.883	2.974	3.214	3.513	3.843	4.106	4.869	6.433	11.489
CLOCK NR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943	1.943
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.200	.900
KURTOSIS	2.659	3.848	3.148	3.293	3.057	3.740	2.767	2.713	3.053	2.980	3.964	4.403	5.073
N	34	34	34	34	34	34	34	34	34	34	34	34	34
RECORD YEAR	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943	1943
RECORD MAXIMUM	2.670	4.770	4.970	5.070	5.260	5.900	6.000	6.240	6.900	7.840	10.610	14.030	24.600
NORMALIZED MAX	1.445	2.560	2.478	2.528	2.170	2.631	2.348	2.097	2.145	2.333	2.701	2.571	2.800
CALC. COEF. VAR	.332	.398	.391	.351	.380	.386	.381	.370	.371	.390	.437	.459	.409
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1570	2.0556	2.2198	2.2338	2.2510	2.2588	2.2798	2.3057	2.3345	2.3574	2.4238	2.5599	1.0000
RP10/A	2.607	3.2473	3.3752	3.4989	3.4274	3.4394	3.4751	3.5156	3.5645	3.5973	3.6970	3.9285	1.5570
RP25/A	3.221	4.288	4.4445	4.5985	4.5318	4.5463	4.5840	4.6325	4.6889	4.7231	4.8401	1.1339	1.6397
RP50/A	3.669	4.679	4.9293	5.0679	5.0881	5.0244	5.0626	5.1169	5.1780	5.2125	5.3419	1.2920	2.0392
RP100/A	4.1198	5.455	5.925	6.377	6.826	7.008	7.388	7.908	8.641	9.085	1.0358	1.4258	2.2303
RP1000/A	5.523	7.302	7.949	8.629	9.235	9.472	9.816	1.0595	1.1363	1.1866	1.3473	1.8837	2.8254
RP10000/A	6.697	9.685	9.904	1.0816	1.1374	1.1865	1.2144	1.3096	1.3957	1.4238	1.6380	2.3229	3.3833
PMF/A	1.3207	1.7937	1.9607	2.0558	2.2310	2.2854	2.4861	2.6539	2.9082	3.0429	3.4812	4.6858	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BNM	LATITUDE	LONGITUDE	COUNTY CODE
201 2821 11	EL TORO-MOULTON RANCH	375	34	06S	08W	F	S	33.407	117.702	30
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	YR				
2	2.23	2.67	2.89	3.04	12.65					
5	3.41	4.13	4.54	4.77	18.10					
10	4.23	5.13	5.69	5.98	21.85					
20	5.03	6.10	6.81	7.15	25.47					
25	5.28	6.41	7.14	7.53	26.61					
40	5.81	7.04	7.90	8.31	28.98					
50	6.06	7.34	8.25	8.67	30.10					
100	6.83	8.26	9.32	9.80	33.53					
200	7.59	9.17	10.39	10.92	36.92					
1000	9.33	11.25	12.82	13.48	44.46					
10000	11.79	14.16	16.26	17.09	55.33					
PMF	21.48	26.55	29.82	31.35	101.77					
MEAN	2.554	3.043	3.343	3.514	14.057					
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.000					
CALCULATED SKEW	.781	1.378	1.275	.998	.903					
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500					
SKEW USED	1.600	1.500	1.600	1.600	1.500					
KURTOSIS	3.551	6.732	5.142	4.422	3.841					
N	93	93	93	93	94					
RECORD YEAR	1927	1943	1943	1943	1884					
RECORD MAXIMUM	5.300	8.450	8.680	8.680	32.650					
NORMALIZED MAX	2.500	3.987	3.385	3.315	3.268					
CALC. COEF. VAR	.430	.444	.472	.444	.405					
REGN. COEF. VAR	.494	.515	.528	.528	.416					
USED COEF. VAR	.494	.515	.528	.528	.416					
MEAN/A	1.017	2.165	2.378	2.500	1.0000					
RP10/A	3.010	3.651	4.047	4.254	1.3547					
RP25/A	3.758	4.857	5.095	5.335	1.8927					
RP50/A	4.512	5.523	5.869	6.169	2.1412					
RP100/A	4.856	5.878	6.633	6.972	2.3854					
RP1000/A	6.638	8.000	9.123	9.589	3.1771					
RP10000/A	8.085	1.0073	1.1588	1.2159	3.7508					
PMF/A	1.5280	1.8888	2.1215	2.2299	7.2400					

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
201 4647 1	LADUNA BEACH HARDWARE	30	23	075	09W	J	S	33-542	117-760	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS				
	10	20	30	40	50 YR
2	1.94	2.43	2.57	2.72	11.09
5	2.95	3.76	4.03	4.20	13.86
10	3.67	4.68	5.06	5.34	19.16
20	4.36	5.56	6.05	6.39	25.32
25	4.58	5.84	6.37	6.72	25.32
40	5.04	6.42	7.03	7.41	25.41
50	5.25	6.69	7.34	7.74	26.39
100	5.92	7.53	8.26	8.75	29.40
200	6.58	8.36	9.24	9.74	32.37
1000	8.09	10.25	11.40	12.03	39.15
10000	10.22	12.91	14.46	15.26	48.68
PMP	16.62	24.20	26.52	27.98	89.22
MEAN	2.214	2.774	2.973	3.137	12.323
CLOCK HR. COR.	1.140	1.670	1.840	1.950	1.000
CALCULATED SKEW	1.791	1.755	1.897	1.740	1.277
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500
SKEW USED	1.600	1.500	1.600	1.600	1.500
KURTOSIS	3.313	5.016	3.676	3.303	4.881
N	43	43	43	43	44
RECORD YEAR	1927	1943	1943	1943	1941
RECORD MAXIMUM	4.020	6.500	6.750	6.900	29.290
NORMALIZED MAX	2.010	2.693	2.649	2.580	3.262
CALC. COEF. VAR	.406	.404	.480	.465	.422
REGON. COEF. VAR	.494	.515	.528	.528	.410
USED COEF. VAR	.494	.515	.528	.528	.410
MEAN/A	.1797	.2251	.2412	.2545	1.0000
RP10/A	.2970	.3790	.4105	.4331	1.5547
RP25/A	.3717	.4730	.5167	.5452	1.8927
RP50/A	.4264	.5431	.5953	.6281	2.1412
RP100/A	.4804	.6111	.6727	.7098	2.3854
RP1000/A	.6564	.8317	.9253	.9743	3.1771
RP10000/A	.8292	1.0473	1.1733	1.2380	3.9506
PMP/A	1.5111	1.9630	2.1517	2.2704	7.2408

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE
201 4650 0	LADUNA BEACH	210	22	075	09W	M	S	33-551	117-800	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS

RETURN PERIOD IN YEARS	MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS											
	10	20	30	40	50	60	80	100	150	200	300	600
2	1.85	2.19	2.46	2.54	2.63	2.74	2.95	3.19	3.55	3.92	4.79	6.43
5	2.82	3.38	3.84	3.99	4.19	4.25	4.56	4.87	5.43	5.91	7.10	9.66
10	3.50	4.21	4.84	5.00	5.12	5.27	5.63	5.97	6.66	7.20	8.56	11.60
20	4.17	5.00	5.79	5.98	6.10	6.26	6.64	7.02	7.82	8.39	9.90	13.44
25	4.38	5.20	6.09	6.30	6.40	6.55	6.96	7.32	8.18	8.70	10.31	14.01
40	4.81	5.78	6.72	6.95	7.05	7.19	7.62	7.99	8.92	9.44	11.17	15.18
50	5.02	6.02	7.02	7.25	7.35	7.49	7.93	8.30	9.27	9.68	11.56	15.72
100	5.66	6.76	7.93	8.20	8.28	8.41	8.87	9.28	10.33	10.97	12.77	17.37
200	6.28	7.52	8.84	9.13	9.20	9.31	9.79	10.17	11.36	12.02	13.93	18.97
1000	7.73	9.23	10.91	11.28	11.29	11.36	11.86	12.27	13.70	14.39	16.54	22.55
10000	9.76	11.62	13.83	14.30	14.23	14.23	14.79	15.18	16.93	17.65	20.11	27.45
PMP	17.79	21.78	25.37	26.22	26.74	27.41	29.25	30.72	34.33	36.67	42.74	58.51
MEAN	2.115	2.497	2.844	2.939	3.008	3.104	3.318	3.546	3.946	4.306	5.203	6.994
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.547	.635	.955	.936	.849	.806	.611	.501	.370	.509	.762	1.398
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.600	1.600	1.300	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.600	1.600	1.300	1.200	1.200	1.100	1.000	1.000
KURTOSIS	2.538	3.468	3.623	3.468	3.254	3.096	2.744	2.339	2.101	2.459	2.704	5.470
N	22	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1956	1956	1956	1956	1969	1956	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	3.390	4.900	6.220	6.250	6.260	6.380	6.770	6.830	7.670	8.860	10.520	17.050
NORMALIZED MAX	1.509	2.013	2.203	2.124	2.108	2.094	2.072	1.869	1.608	1.676	1.900	2.913
CALC. COEF. VAR	.439	.496	.520	.530	.513	.504	.502	.497	.505	.509	.519	.523
REGON. COEF. VAR	.494	.515	.528	.526	.522	.521	.512	.513	.501	.481	.491	.418
USED COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.481	.491	.418
MEAN/A	.1883	.2222	.2532	.2617	.2678	.2764	.2954	.3151	.3514	.3834	.4632	.6226
RP10/A	.3119	.3746	.4388	.4453	.4550	.4692	.5014	.5314	.5931	.6409	.7618	1.0378
RP25/A	.4079	.4959	.5693	.5805	.5923	.6196	.6519	.6861	.7601	.8152	1.2471	1.8593
RP50/A	.4469	.5362	.6247	.6437	.6543	.6807	.7057	.7388	.8249	.8798	1.0295	1.5996
RP100/A	.5035	.6034	.7061	.7298	.7370	.7483	.7895	.8232	.9192	.9762	1.1368	1.8467
RP1000/A	.6879	.8213	.9711	1.0037	1.0051	1.0114	1.0379	1.0619	1.2195	1.2810	1.4726	2.0078
RP10000/A	.8699	1.0611	1.2314	1.2728	1.2649	1.3171	1.3494	1.5075	1.5712	1.7602	2.4437	3.5729
PMP/A	1.5836	1.9391	2.2583	2.3342	2.3869	2.4402	2.6035	2.7350	3.0557	3.2643	3.8048	5.2003

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RND LOT	RWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB 201 7731 20	SAN CLEMENTE POLICE	260	33	085	07W R	5	33.428	117.609	CODE 30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	W YR
2	1.93	2.46	2.74	2.83	11.08
5	2.95	3.81	4.29	4.44	15.85
10	3.67	4.74	5.38	5.56	19.14
20	4.36	5.63	6.43	6.66	22.30
25	4.36	5.92	6.77	7.00	23.30
40	5.03	6.50	7.47	7.73	25.38
50	5.78	7.40	8.60	8.97	28.06
100	5.82	7.63	8.81	9.12	29.37
200	6.57	8.47	9.82	10.14	32.34
1000	8.08	10.38	12.12	12.54	39.12
10000	10.21	13.07	15.37	15.91	48.04
PMP	10.61	24.52	28.19	29.17	60.14
MEAN	2.213	2.818	3.140	3.270	12.312
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	.750	1.437	1.089	1.011	1.123
REGIONAL SKEW	1.600	1.500	1.400	1.600	1.500
SKEW USED	1.600	1.500	1.400	1.600	1.500
KURTOSIS	3.456	6.404	3.354	3.636	3.974
N	35	38	35	35	37
RECORD YEAR	1943	1943	1943	1943	1941
RECORD MAXIMUM	4.400	7.400	7.530	7.620	27.010
NORMALIZED MAX	2.243	3.142	2.919	2.591	2.748
CALC. COEF. VAR	.441	.520	.528	.519	.434
REGION. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416
MEAN/A	.1797	.2282	.2556	.2656	1.0000
RP10/A	.2977	.3849	.4367	.4520	1.5547
RP25/A	.3717	.4804	.5497	.5689	1.4927
RP50/A	.4265	.5506	.6333	.6556	2.1412
RP100/A	.4805	.6196	.7159	.7407	2.3854
RP1000/A	.6565	.8433	.9845	1.0188	3.1771
RP10000/A	.8294	1.0819	1.2483	1.2819	3.9508
PMP/A	1.5114	1.9912	2.2893	2.3692	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO.	STATION NAME	ELEV	SEC	TWP	RND LOT	RWM	LATITUDE	LONGITUDE	COUNTY
BSN ORDER SUB 201 7636 52	SAN JUAN CAPISTRANO-500+E	160	01	085	08W 8	5	33.512	117.666	CODE 30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.08	2.59	2.79	3.02	3.24	3.43	3.66	3.97	4.49	4.89	5.92	7.90	12.89
5	3.18	4.00	4.36	4.73	5.05	5.32	5.66	6.07	6.87	7.38	8.76	11.79	18.25
10	3.95	4.98	5.48	5.94	6.30	6.60	6.99	7.44	8.43	8.99	10.56	14.25	21.71
20	4.69	5.92	6.55	7.11	7.50	7.82	8.24	8.73	9.89	10.48	12.22	16.51	24.91
25	4.93	6.21	6.89	7.48	7.88	8.20	8.64	9.13	10.34	10.94	12.73	17.21	25.91
40	5.42	6.83	7.60	8.25	8.67	9.00	9.45	9.96	11.28	11.17	13.79	18.65	28.40
50	5.65	7.12	7.94	8.61	9.05	9.38	9.83	10.35	11.72	12.34	14.28	19.32	28.92
100	6.37	8.01	8.97	9.74	10.19	10.52	11.00	11.53	13.05	13.69	15.76	21.35	31.83
200	7.08	8.89	10.00	10.85	11.32	11.65	12.14	12.69	14.37	15.00	17.20	23.31	34.66
1000	8.70	10.91	12.34	13.39	13.90	14.22	14.74	15.30	17.33	17.99	20.42	27.71	41.02
10000	11.00	13.73	15.65	16.98	17.52	17.82	18.35	18.91	21.42	22.03	24.82	33.73	49.79
PMP	20.04	25.75	28.70	31.14	32.92	34.32	36.28	38.32	43.42	45.77	52.76	71.88	100.88
MEAN	2.383	2.951	3.218	3.491	3.703	3.867	4.115	4.415	4.993	5.376	6.423	8.593	13.934
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.630	1.595	1.328	1.193	1.161	1.000	.909	.834	.610	.517	.480	1.584	.670
REGIONAL SKEW	1.600	1.500	1.400	1.600	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.400	1.600	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000	1.100
KURTOSIS	5.791	5.889	4.649	4.207	4.165	3.646	3.310	3.210	2.579	2.508	2.427	2.922	2.941
N	70	70	70	70	70	70	70	70	70	69	70	70	70
RECORD YEAR	1967	1956	1967	1967	1956	1927	1922	1922	1922	1922	1916	1988	1941
RECORD MAXIMUM	6.000	6.000	8.330	8.330	8.360	8.380	8.610	10.070	10.450	11.540	12.760	18.740	27.630
NORMALIZED MAX	2.933	3.191	3.022	2.810	2.401	2.484	2.512	2.797	2.745	2.559	2.402	2.790	2.687
CALC. COEF. VAR	.517	.536	.526	.493	.469	.405	.434	.458	.441	.441	.411	.423	.371
REGION. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1710	.2118	.2309	.2505	.2658	.2789	.2953	.3168	.3584	.3858	.4609	.6167	1.0000
RP10/A	.2833	.3572	.3937	.4321	.4730	.5048	.5343	.5648	.6449	.6849	.7681	1.0226	1.5578
RP25/A	.3537	.4455	.4846	.5367	.5869	.6287	.6717	.6955	.7421	.7850	.9138	1.2352	1.8593
RP50/A	.4058	.5110	.5596	.6183	.6492	.6729	.7056	.7429	.8412	.8853	1.0245	1.3804	2.0753
RP100/A	.4572	.5751	.6440	.6987	.7313	.7593	.7894	.8277	.9373	.9823	1.1310	1.5319	2.2640
RP1000/A	.6247	.7826	.8887	.9611	.9912	1.0208	1.0578	1.0778	1.2435	1.2890	1.4655	1.9887	2.9442
RP10000/A	.7892	.9854	1.1232	1.2187	1.2572	1.2787	1.3170	1.3571	1.5372	1.5811	1.7816	2.4204	3.5729
PMP/A	1.4381	1.8479	2.0597	2.2349	2.3626	2.4630	2.6034	2.7501	3.1159	3.2849	3.7864	5.1588	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE
201 8992 0	TRABUCO CANYON 133	970	15	065	07W	A	S	33.657	117.592	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.59	3.33	3.49	3.69	3.89	4.15	4.55	4.91	5.32	5.82	6.89	9.16	15.07
5	3.95	5.15	5.47	5.79	6.07	6.44	7.02	7.51	8.14	8.78	10.20	13.67	21.34
10	4.91	6.41	6.87	7.26	7.58	7.99	8.67	9.21	9.98	10.68	12.29	16.53	25.37
20	5.83	7.62	8.22	8.69	9.02	9.47	10.23	10.80	11.71	12.45	14.22	19.15	29.12
25	6.13	8.00	8.64	9.14	9.48	9.93	10.72	11.29	12.25	13.00	14.82	19.96	30.28
40	6.74	8.80	9.54	10.08	10.43	10.90	11.73	12.32	13.36	13.27	16.04	21.63	30.85
50	7.03	9.17	9.96	10.53	10.88	11.35	12.21	12.80	13.88	14.67	16.61	22.41	33.00
100	7.92	10.32	11.25	11.90	12.24	12.74	13.66	14.26	15.47	16.27	18.34	24.76	37.20
200	8.80	11.45	12.54	13.25	13.61	14.11	15.08	15.69	17.02	17.84	20.02	27.04	40.51
1000	10.82	14.05	15.48	16.36	16.71	17.22	18.30	18.92	20.52	21.35	23.77	32.14	47.95
10000	13.67	17.69	19.63	20.75	21.07	21.58	22.78	23.36	25.37	26.19	28.89	39.12	58.19
PMP	24.90	33.16	35.99	38.05	39.59	41.56	45.04	47.38	51.42	54.42	61.40	83.38	117.91
MEAN	2.961	3.801	4.035	4.266	4.454	4.706	5.109	5.489	5.913	6.391	7.475	9.967	16.286
CLOCK HR. COR.								1.005	1.005	1.005	1.000	1.000	1.000
CALCULATED SKEW	1.470	1.074	1.011	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	5.602	7.630	6.136	5.589	5.178	4.960	3.635	3.906	3.174	2.743	2.321	3.704	4.375
RECORD YEAR	33	33	33	33	33	33	33	33	33	33	33	33	33
RECORD MAXIMUM	7.010	10.630	11.290	11.290	11.510	12.220	12.220	13.220	13.220	13.890	13.890	21.660	36.990
NORMALIZED MAX	2.530	3.119	2.984	2.853	2.803	2.871	2.844	2.797	2.952	2.441	1.921	2.424	2.920
CALC. COEF. VAR	.540	.593	.603	.577	.565	.556	.526	.508	.484	.461	.447	.492	.434
REDN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1018	.2334	.2478	.2619	.2735	.2890	.3137	.3352	.3631	.3924	.4589	.6120	1.0000
RP10/A	.3012	.3936	.4216	.4457	.4653	.4906	.5326	.5652	.6128	.6560	.7548	1.0148	1.5578
RP25/A	.3761	.4913	.5307	.5611	.5821	.6099	.6583	.6934	.7519	.7985	.9099	1.2250	1.8593
RP50/A	.4497	.5831	.6461	.6848	.7150	.7496	.7990	.8323	.9053	.9505	1.0201	1.3759	2.0753
RP100/A	.5461	.7337	.8190	.8705	.9025	.9284	.9866	.10157	.10992	.11282	.12203	1.3203	2.2840
RP1000/A	.6842	.9624	.10504	.10263	.10575	.11237	.11615	.12599	.13111	.14592	.19736	2.9442	
RP10000/A	.8391	1.0859	1.2051	1.2741	1.2937	1.3248	1.3990	1.4356	1.5375	1.6082	1.7739	2.4020	3.5729
PMP/A	1.5291	2.0363	2.2101	2.3365	2.4311	2.5516	2.7655	2.9093	3.1570	3.3412	3.7702	5.1194	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE
201 8992 1	TRABUCO CANYON	1250					S	33.658	117.570	30

MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS

RETURN PERIOD IN YEARS	10	20	30	40	50 YR
2	2.62	3.40	3.64	4.03	16.31
5	4.00	5.26	5.70	6.32	23.32
10	4.97	6.55	7.15	7.92	29.17
20	5.91	7.78	8.56	9.48	32.82
25	6.20	8.17	9.00	9.97	34.29
40	6.82	8.99	9.93	11.00	37.35
50	7.12	9.37	10.37	11.49	38.79
100	8.02	10.54	11.72	12.99	43.22
200	8.91	11.70	13.06	14.47	47.59
1000	10.96	14.35	16.12	17.86	57.96
10000	13.64	18.07	20.44	22.65	71.58
PMP	25.22	33.88	37.49	41.54	131.17
MEAN	2.999	3.883	4.203	4.856	10.118
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.000
CALCULATED SKEW	1.526	1.787	1.482	1.775	.745
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500
SKEW USED	1.600	1.500	1.600	1.600	1.500
KURTOSIS	6.168	6.884	4.897	6.601	3.233
RECORD YEAR	1943	1943	1943	1927	1941
RECORD MAXIMUM	7.300	10.500	10.850	15.200	35.700
NORMALIZED MAX	2.813	2.997	2.696	3.534	2.532
CALC. COEF. VAR	.610	.569	.587	.641	.303
REDN. COEF. VAR	.494	.515	.528	.528	.416
USED COEF. VAR	.494	.515	.528	.528	.416
MEAN/A	.1655	.2143	.2320	.2570	1.0000
RP10/A	.2742	.3615	.3948	.4373	1.5947
RP25/A	.3424	.4512	.4869	.5505	1.8927
RP50/A	.3928	.5171	.5725	.6342	2.1432
RP100/A	.4425	.5819	.6470	.7168	2.3854
RP1000/A	.6047	.7920	.8899	.9858	3.1771
RP10000/A	.7639	1.0972	1.1284	1.2501	3.9508
PMP/A	1.3920	1.8699	2.0893	2.2925	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE																
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE						
202 235 0	ANZA	162	3915	16	075	03E	0	5	33.556	116.675	33					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS																
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650			
2	1.87	2.19	2.40	2.50	2.67	2.84	3.05	3.27	3.55	3.82	4.02	5.85	10.88			
5	2.85	3.39	3.77	3.91	4.17	4.41	4.71	4.99	5.43	5.77	6.84	8.72	15.40			
10	3.54	4.22	4.73	4.91	5.20	5.47	5.82	6.12	6.88	7.02	8.25	10.54	18.31			
20	4.21	5.02	5.85	5.87	6.20	6.48	6.86	7.18	8.01	8.19	9.55	12.22	21.01			
25	4.42	5.27	5.95	6.18	6.51	6.80	7.19	7.51	8.17	8.55	9.95	12.74	21.85			
40	4.86	5.80	6.58	6.81	7.17	7.46	7.87	8.20	8.92	8.72	10.77	13.80	22.27			
50	5.07	6.04	6.85	7.12	7.47	7.77	8.19	8.51	9.26	9.64	11.15	14.30	24.39			
100	5.71	6.80	7.74	8.04	8.42	8.72	9.18	9.52	10.32	10.70	12.31	15.80	28.89			
200	6.35	7.55	8.63	8.96	9.35	9.66	10.12	10.44	11.30	11.72	13.44	17.25	29.24			
1000	7.80	9.23	10.85	11.06	11.48	11.79	12.28	12.58	13.70	14.04	15.95	20.51	34.61			
10000	9.86	11.65	13.51	14.02	14.47	14.77	15.29	15.55	16.93	17.22	19.39	24.96	42.00			
PMP	17.97	21.05	24.77	25.72	27.20	28.45	30.22	31.52	34.32	35.77	41.21	53.19	85.10			
MEAN	2.136	2.504	2.777	2.883	3.059	3.222	3.428	3.631	3.947	4.200	5.017	6.359	11.754			
CLOCK MR. COR.	1.140	1.078	1.040	1.029	1.019	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
CALCULATED SKEW	1.822	1.116	1.086	1.068	1.050	1.040	1.030	1.020	1.000	1.000	1.000	1.000	1.000			
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000			

KURTOSIS															
RECORD YEAR	N	23	23	23	22	22	22	22	22	22	22	22	22	22	22
RECORD YEAR	1906	1907	1907	1907	1907	1907	1907	1906	1906	1906	1906	1906	1906	1906	1906
RECORD MAXIMUM	5.000	5.100	5.830	6.730	7.290	7.290	7.380	8.380	6.740	8.740	10.830	12.830	21.950		
NORMALIZED MAX	2.718	2.094	2.049	2.504	2.694	2.694	2.310	2.685	2.644	2.328	2.330	2.267	2.017		
CALC. COEF. VAR	.493	.495	.537	.533	.513	.488	.499	.487	.495	.484	.497	.449	.430		
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.451	.415		
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.451	.415		
MEAN/A	.1817	.2131	.2362	.2493	.2603	.2741	.2916	.3089	.3358	.3574	.4268	.5410	1.0000		
RP10/A	.3011	.3593	.4020	.4174	.4428	.4654	.4951	.5210	.5867	.5974	.7020	.8970	1.9578		
RP25/A	.4405	.5405	.6000	.6255	.6541	.6786	.6919	.6932	.6954	.7272	.8482	1.0835	1.8593		
RP50/A	.6413	.8141	.9830	.9853	.9359	.8613	.6988	.7244	.7682	.8201	.9487	1.2182	2.6753		
RP100/A	.8789	.9785	.9888	.8681	.7182	.5423	.3795	.4071	.4893	.5100	1.0473	1.3438	2.2840		
RP1000/A	.6640	.7873	.9062	.9410	.9768	1.0033	1.0445	1.0706	1.1052	1.1941	1.3570	1.7445	2.9442		
RP10000/A	.8388	.9913	1.1491	1.1932	1.2313	1.2568	1.3004	1.3233	1.4404	1.4647	1.6498	2.1322	3.5729		
PMP/A	1.5285	1.6589	2.1073	2.1881	2.3139	2.4207	2.5708	2.6818	2.9196	3.0429	3.5083	4.5292	7.2420		

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE														
STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY			
202 6042 0	MURRIETA S C F		1131	17	075	03W	5	33.563	117.223	33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS														
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	2.48	2.97	3.15	3.32	3.43	3.50	3.82	4.16	4.45	4.71	5.78	7.35	11.34	
5	3.77	4.57	4.90	5.17	5.33	5.43	5.87	6.35	6.78	7.08	8.57	11.06	15.94	
10	4.04	5.03	5.08	5.43	5.83	6.73	7.22	7.78	8.27	8.58	10.33	13.48	18.81	
20	5.47	6.64	7.18	7.62	7.86	7.98	8.48	9.13	9.66	9.96	11.95	15.78	21.42	
25	5.73	6.96	7.50	8.00	8.25	8.37	8.87	9.55	10.09	10.39	12.45	16.47	22.22	
40	6.27	7.61	8.21	8.78	9.05	9.19	9.68	10.42	10.31	11.27	13.48	17.93	23.87	
50	6.53	7.91	8.55	9.15	9.40	9.57	10.08	10.82	11.40	11.87	13.96	18.62	24.83	
100	7.31	8.85	9.57	10.28	10.59	10.74	11.22	12.06	12.60	12.91	15.41	20.71	26.94	
200	8.08	9.77	10.57	11.38	11.73	11.89	12.35	13.27	13.89	14.11	16.82	22.75	29.17	
1000	9.83	11.84	12.83	13.90	14.32	14.52	14.91	15.00	16.85	16.79	19.98	27.35	34.13	
10000	12.27	14.74	15.99	17.43	17.88	18.19	18.44	18.77	20.45	20.46	24.27	33.93	40.87	
PMP	23.50	29.09	31.66	33.61	34.60	35.03	37.45	46.07	42.61	43.72	51.58	68.02	87.46	
MEAN	2.794	3.335	3.549	3.768	3.892	3.967	4.249	4.817	4.901	5.135	6.279	8.132	12.808	
CLOCK MR. COR.	1.140	1.070	1.000	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
CALCULATED SKEW	1.537	1.612	2.007	1.680	1.808	1.821	1.578	1.328	1.125	1.028	2.431	2.707	1.503	
REGIONAL SKEW	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000	
SKEW USED	1.400	1.300	1.300	1.400	1.400	1.400	1.200	1.200	1.100	1.000	1.000	1.000	1.000	

KURTOSIS															
RECORD YEAR	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20
RECORD YEAR	1970	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	6.300	6.400	10.010	10.010	10.530	10.610	11.180	11.645	11.890	11.760	20.870	25.790	28.450		
NORMALIZED MAX	2.001	2.645	3.010	2.662	3.023	3.083	3.305	3.262	2.895	2.762	2.895	3.487	3.900		
CALC. COEF. VAR	.627	.574	.605	.578	.562	.547	.538	.523	.502	.480	.666	.639	.494		
REGN. COEF. VAR	.494	.515	.520	.526	.522	.521	.512	.513	.501	.491	.491	.491	.418		
USED COEF. VAR	.494	.515	.520	.526	.522	.521	.512	.513	.501	.491	.491	.491	.418		
MEAN/A	.2313	.2760	.2938	.3119	.3221	.3284	.3517	.3822	.4057	.4250	.5198	.6731	1.0000		
RP10/A	.3840	.4684	.5015	.5320	.5485	.5575	.5973	.6444	.6848	.7105	.8549	1.1152	1.9570		
RP25/A	.5744	.7352	.8023	.8623	.8823	.8923	.9323	.9823	.9923	.9923	1.3023	1.6023	1.9570		
RP50/A	.5405	.8551	.7074	.7575	.7866	.7921	.8329	.8660	.9437	.9684	1.1553	1.5412	2.0392		
RP100/A	.6051	.8275	.7919	.8807	.8763	.8891	.9288	.9984	1.0481	1.0887	1.2755	1.7141	2.2303		
RP1000/A	.8135	.9805	1.0629	1.1510	1.1855	1.2017	1.2340	1.3243	1.3784	1.3899	1.6528	2.2845	2.8254		
RP10000/A	1.0159	1.2200	1.3238	1.4426	1.4787	1.5127	1.5827	1.6833	1.7433	1.7433	2.1833	2.7705	3.3839		
PMP/A	1.9453	2.4605	2.6200	2.7622	2.8639	2.8996	3.1022	3.3172	3.5277	3.6192	4.2700	5.6300	7.2400		

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 202 6657 0	STATION NAME PALONAR MTN OBS	ELEV 187	SEC 5560	TWP 27	RNG LOT 095 01E	BM 5	LATITUDE 33.350	LONGITUDE 116.850	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	4.23	5.37	5.93	6.12	6.48	6.69	7.41	7.90	8.50	9.12	10.56	14.55	24.40
5	6.44	8.31	9.29	9.59	10.11	10.68	11.43	12.08	13.00	13.77	15.85	21.72	34.35
10	8.00	10.34	11.65	12.03	12.62	13.25	14.13	14.81	15.95	16.76	18.86	26.25	41.08
20	9.52	12.20	13.94	14.40	15.03	15.71	16.67	17.37	18.71	19.84	21.82	30.42	47.15
30	10.00	12.91	14.67	15.15	15.79	16.48	17.46	18.17	19.57	20.61	22.73	31.70	49.04
40	11.00	14.19	16.16	16.71	17.38	18.08	19.11	19.82	21.35	22.03	24.61	34.35	49.96
50	11.47	14.79	16.90	17.45	18.12	18.83	19.98	20.59	22.18	22.81	25.49	35.59	54.73
100	12.92	16.65	19.10	19.72	20.41	21.14	22.24	22.94	24.72	25.53	28.14	39.32	60.24
200	14.36	18.48	21.27	22.07	22.67	23.44	24.56	25.24	27.20	27.99	30.71	42.94	65.60
1000	17.65	22.66	26.27	27.13	27.84	28.57	29.81	30.43	32.79	33.51	36.46	51.04	77.65
10000	22.30	28.53	33.31	34.40	35.10	35.79	37.11	37.61	40.54	41.04	44.32	62.13	94.23
PMP	40.64	53.50	61.08	63.68	65.95	68.94	73.36	76.23	82.17	85.38	94.20	132.41	190.94
MEAN	4.032	6.132	6.648	7.072	7.418	7.807	8.322	8.782	9.450	10.028	11.467	15.629	26.373
CLOCK HR. COR.	1.140	1.070	1.070	1.070	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.782	1.396	1.442	1.730	1.063	1.579	1.820	1.285	1.362	1.284	1.334	1.988	1.100
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	6.738	4.393	5.985	6.614	7.525	8.416	9.410	10.438	11.422	12.429	14.968	8.756	4.345
RECORD YEAR	1965	1967	1967	1967	1967	1967	1967	1967	1969	1969	1969	1969	1969
RECORD MAXIMUM	12.70	13.90	19.25	21.07	23.70	23.70	23.70	23.70	24.91	26.20	30.740	51.900	60.270
NORMALIZED MAX	2.903	2.319	3.129	3.385	3.626	3.865	3.189	2.907	2.803	2.799	3.050	3.941	3.001
CALC. COEF. VAR	.530	.546	.579	.588	.606	.609	.580	.585	.584	.578	.581	.580	.428
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.524	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1832	.2325	.2596	.2682	.2813	.2960	.3156	.3330	.3583	.3862	.4348	.6002	1.0000
RP10/A	.3035	.3921	.4418	.4563	.4766	.5026	.5357	.5815	.6407	.6956	.791	.9952	1.5578
RP25/A	.3790	.4894	.5562	.5744	.5988	.6248	.6622	.6889	.7421	.7737	.8620	1.2022	1.8593
RP50/A	.4348	.5610	.6407	.6617	.6872	.7141	.7540	.7808	.8411	.8726	.9684	1.3493	2.0753
RP100/A	.4899	.6313	.7241	.7477	.7740	.8016	.8435	.8699	.9372	.9682	1.0659	1.4709	2.2840
RP1000/A	.6894	.8891	.9950	1.0286	1.0556	1.0834	1.1303	1.1539	1.2434	1.2705	1.3884	1.9355	2.9442
RP10000/A	.9456	1.0818	1.2629	1.3043	1.3307	1.3571	1.4072	1.4263	1.5371	1.5584	1.6866	2.3557	3.5729
PMP/A	1.5410	2.0285	2.3160	2.3920	2.5007	2.6140	2.7816	2.8903	3.1156	3.2376	3.5719	5.0206	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 202 6759 66	STATION NAME PAUBA RANCH	ELEV 1060	SEC 16	TWP 08S	RNG LOT 02W	BM 5	LATITUDE 33.450	LONGITUDE 117.063	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.20	2.69	2.78	2.92	3.12	3.34	3.58	3.87	4.26	4.50	5.46	7.26	11.32
5	3.36	4.16	4.36	4.58	4.86	5.18	5.52	5.91	6.51	6.79	8.08	10.03	16.03
10	4.17	5.18	5.47	5.74	6.07	6.43	6.82	7.25	7.99	8.26	9.74	13.09	19.06
20	4.96	6.18	6.55	6.87	7.23	7.62	8.05	8.50	9.37	9.63	11.27	15.17	21.87
25	5.21	6.46	6.89	7.23	7.60	7.99	8.43	8.89	9.80	10.06	11.74	15.81	22.75
40	5.73	7.10	7.60	7.98	8.36	8.77	9.23	9.70	10.69	10.27	12.71	17.14	23.17
50	5.98	7.41	7.94	8.33	8.72	9.13	9.60	10.08	11.11	11.34	13.18	17.75	25.39
100	6.73	8.33	8.97	9.41	9.82	10.25	10.74	11.23	12.35	12.58	14.53	19.61	27.94
200	7.48	9.25	9.99	10.49	10.91	11.35	11.86	12.34	13.62	13.79	15.86	21.42	30.43
1000	9.20	11.34	12.34	12.95	13.39	13.86	14.39	14.90	16.42	16.51	18.83	25.46	36.02
10000	11.62	14.28	15.64	16.42	16.86	17.36	17.92	18.42	20.30	20.28	22.69	30.99	43.57
PMP	21.19	26.78	28.68	30.11	31.72	33.43	35.42	37.32	41.14	42.06	48.65	66.04	86.57
MEAN	2.518	3.070	3.216	3.378	3.568	3.786	4.018	4.299	4.732	4.942	5.923	7.895	12.233
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.791	.758	.559	.449	.335	.396	.514	.620	.494	.413	.329	1.292	.794
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	5.773	3.384	2.974	2.875	2.862	3.367	2.968	3.589	3.399	3.294	3.303	6.073	3.695
RECORD YEAR	1963	1963	1963	1972	1969	1972	1969	1969	1969	1969	1969	1969	1958
RECORD MAXIMUM	5.200	5.200	5.200	5.200	5.740	6.820	7.230	7.630	8.760	8.760	10.480	19.280	23.600
NORMALIZED MAX	2.024	1.728	1.629	1.568	1.670	2.110	1.890	2.084	2.080	1.968	1.916	2.850	2.187
CALC. COEF. VAR	.526	.401	.379	.362	.365	.380	.423	.400	.409	.393	.402	.505	.425
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2059	.2509	.2629	.2759	.2917	.3095	.3285	.3515	.3868	.4040	.4841	.6454	1.0000
RP10/A	.3410	.4232	.4473	.4696	.4942	.5255	.5577	.5927	.6528	.6754	.7963	1.0702	1.5578
RP25/A	.4258	.5283	.5631	.5911	.6209	.6533	.6893	.7271	.8010	.8210	.9598	1.2927	1.8593
RP50/A	.4868	.6055	.6467	.6748	.7058	.7397	.7848	.8311	.9079	.9272	1.0711	1.4610	2.0753
RP100/A	.5504	.6913	.7331	.7696	.8026	.8381	.8780	.9182	1.0117	1.0287	1.1890	1.6032	2.2440
RP1000/A	.7520	.9273	1.0083	1.0585	1.0946	1.1327	1.1766	1.2176	1.3422	1.3499	1.5393	2.0813	2.9442
RP10000/A	.9580	1.1676	1.2786	1.3422	1.3798	1.4190	1.4648	1.5034	1.6591	1.6598	1.8714	2.5331	3.5729
PMP/A	1.7312	2.1894	2.3448	2.4614	2.5929	2.7331	2.8956	3.0507	3.3631	3.4400	3.7779	5.3988	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 202 8840 1	STATION NAME TEMECULA SOF	ELEV 1020	SEC 12	TWP 085	RNG LOT 03W	8W 5	LATITUDE 33.497	LONGITUDE 117.149	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.36	3.18	3.45	3.69	4.01	4.22	4.52	4.88	5.32	5.62	6.73	9.06	13.36
5	3.80	4.91	5.40	5.79	6.25	6.54	6.98	7.45	8.13	8.49	9.97	13.52	18.91
10	4.48	6.12	6.70	7.26	7.80	8.12	8.62	9.14	9.97	10.33	12.62	16.34	22.49
20	5.32	7.27	8.11	8.69	9.29	9.62	10.16	10.72	11.70	12.04	13.91	18.93	25.81
25	5.59	7.63	8.53	9.14	9.76	10.09	10.65	11.21	12.24	12.57	14.49	19.73	26.84
40	6.15	8.39	9.41	10.08	10.74	11.07	11.66	12.23	13.35	12.83	15.69	21.38	27.34
50	6.41	8.75	9.83	10.53	11.20	11.53	12.13	12.71	13.87	14.18	16.24	22.15	29.96
100	7.23	9.84	11.11	11.90	12.62	12.95	13.57	14.16	15.46	15.73	17.93	24.47	32.97
200	8.03	10.93	12.37	13.26	13.92	14.34	14.98	15.58	17.01	17.25	19.57	26.73	35.90
1000	9.87	13.07	15.27	16.37	17.21	17.90	18.18	18.78	20.51	20.64	23.24	31.77	42.50
10000	12.47	16.87	19.37	20.75	21.69	21.92	22.63	23.21	25.35	25.32	28.25	36.67	51.97
PMP	22.73	31.63	35.52	38.06	40.76	42.22	44.74	47.04	51.39	52.61	60.04	82.41	104.51
MEAN	2.703	3.626	3.982	4.267	4.583	4.782	5.075	5.419	5.911	6.178	7.308	9.852	14.435
CLOCK NR. COR.	1.140	1.070	1.040	1.028	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.719	.632	.555	.617	.587	.550	.537	.436	.526	.521	.681	2.050	1.377
REGIONAL SKEW	1.600	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.500	1.500	1.500	1.500	1.300	1.200	1.100	1.000	1.000	1.000	1.000
KURTOSIS	3.052	3.139	4.036	3.007	3.185	3.059	3.157	3.311	4.439	4.047	4.787	9.182	5.358
N	19	19	19	19	19	19	19	19	19	19	19	19	20
RECORD YEAR	1966	1970	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
RECORD MAXIMUM	4.440	6.830	8.520	8.370	9.190	9.380	10.430	10.830	13.040	13.250	15.920	28.580	33.350
NORMALIZED MAX	1.661	1.882	2.305	2.101	2.508	2.509	2.237	2.264	2.583	2.487	2.666	3.301	2.818
CALC. COEF. VAR	.440	.491	.494	.440	.482	.467	.472	.445	.467	.460	.445	.575	.465
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1873	.2512	.2759	.2956	.3177	.3313	.3516	.3755	.4095	.4280	.5063	.6825	1.0000
RP10/A	.3192	.4236	.4695	.5030	.5405	.5624	.5969	.6331	.6911	.7156	.8328	1.1317	1.5578
RP25/A	.3861	.5082	.5612	.5974	.6392	.6642	.7078	.7468	.8480	.8710	1.0038	1.3670	1.8893
RP50/A	.4444	.6006	.6608	.7294	.7761	.7991	.8401	.8803	.9612	.9823	1.1254	1.5344	2.0761
RP100/A	.5067	.6820	.7694	.8244	.8742	.8969	.9398	.9809	1.0710	1.0899	1.2424	1.6954	2.2840
RP1000/A	.6841	.9282	1.0592	1.1339	1.1922	1.2123	1.2594	1.3010	1.4209	1.4302	1.6059	2.2009	2.9442
RP10000/A	.8642	1.1687	1.3419	1.4378	1.5028	1.5186	1.5678	1.6051	1.7565	1.7543	1.9671	2.6787	3.5729
PMP/A	1.3749	2.1915	2.4608	2.6367	2.8241	2.9250	3.0994	3.2589	3.5604	3.6447	4.1594	5.6701	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 202 9675 75	STATION NAME WILDOMAR	ELEV 193	SEC 1266	TWP 08N	RNG LOT 03W	8W 3	LATITUDE 33.603	LONGITUDE 117.275	COUNTY CODE 33				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.52	3.10	3.39	3.59	3.75	3.96	4.14	4.48	4.86	5.26	6.12	8.13	12.27
5	3.84	4.79	5.31	5.63	5.86	6.14	6.40	6.85	7.43	7.93	9.07	12.13	17.37
10	4.78	5.96	6.66	7.05	7.31	7.62	7.90	8.40	9.12	9.66	10.93	14.66	20.66
20	5.68	7.09	7.97	8.45	8.71	9.04	9.32	9.85	10.70	11.26	12.64	16.99	23.71
25	5.96	7.44	8.39	8.89	9.15	9.48	9.76	10.31	11.19	11.76	13.17	17.71	24.66
40	6.56	8.18	9.26	9.80	10.07	10.40	10.68	11.24	12.21	12.60	14.26	19.18	25.12
50	6.84	8.53	9.66	10.24	10.50	10.83	11.12	11.68	12.68	13.26	14.77	19.87	27.52
100	7.71	9.60	10.92	11.57	11.82	12.16	12.43	13.02	14.13	14.71	16.36	21.96	30.29
200	8.56	10.66	12.17	12.89	13.13	13.47	13.73	14.32	15.55	16.12	17.77	23.98	32.98
1000	10.53	13.07	15.02	15.91	16.13	16.44	16.66	17.26	18.75	19.30	21.13	28.51	39.64
10000	13.30	16.45	19.05	20.18	20.33	20.59	20.75	21.34	23.18	23.68	25.68	34.69	47.38
PMP	24.24	30.86	34.93	39.00	38.20	39.66	41.01	43.24	46.98	49.19	54.98	73.94	96.01
MEAN	2.883	3.537	3.916	4.148	4.297	4.491	4.652	4.982	5.404	5.777	6.644	8.840	13.261
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.857	1.285	1.503	1.318	1.283	1.202	1.103	1.036	1.082	1.032	1.067	1.369	1.968
REGIONAL SKEW	1.600	1.500	1.500	1.600	1.500	1.500	1.500	1.500	1.500	1.500	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.500	1.600	1.500	1.500	1.500	1.500	1.500	1.500	1.000	1.000	1.000
KURTOSIS	5.924	4.375	5.026	4.272	4.176	3.857	3.562	3.488	3.712	3.660	3.719	4.936	3.398
N	60	60	60	60	60	60	60	60	60	60	60	60	60
RECORD YEAR	1943	1943	1938	1938	1938	1938	1922	1922	1916	1916	1916	1969	1969
RECORD MAXIMUM	6.908	8.650	11.040	11.180	11.040	11.040	11.460	12.580	14.240	15.090	17.750	26.690	30.030
NORMALIZED MAX	2.613	2.622	2.964	2.775	2.696	2.480	2.513	2.780	2.788	2.691	2.926	3.441	2.690
CALC. COEF. VAR	.533	.351	.614	.599	.582	.586	.582	.575	.586	.558	.571	.587	.476
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.2174	.2687	.2953	.3120	.3240	.3387	.3508	.3757	.4075	.4356	.5010	.6666	1.0000
RP10/A	.3501	.4498	.5025	.5323	.5513	.5750	.5956	.6335	.6877	.7283	.8241	1.053	1.5578
RP25/A	.4494	.5614	.6326	.6700	.6898	.7148	.7361	.7772	.8438	.8865	.9933	1.3351	1.8593
RP50/A	.5159	.6434	.7287	.7719	.7916	.8170	.8362	.8804	.9564	.9996	1.1137	1.4886	2.0753
RP100/A	.5812	.7241	.8236	.8723	.8917	.9170	.9377	.9815	1.0658	1.1093	1.2295	1.6558	2.2442
RP1000/A	.7941	.9850	1.1357	1.1900	1.2161	1.2390	1.2565	1.2915	1.3930	1.4339	1.5930	2.1495	2.9442
RP10000/A	1.0032	1.2408	1.4344	1.5214	1.5330	1.5526	1.5644	1.6091	1.7479	1.7655	1.9366	2.6162	3.5729
PMP/A	1.8281	2.3268	2.6341	2.7901	2.8808	2.9904	3.0924	3.2609	3.5429	3.7094	4.1160	5.5759	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 203 2958 0	STATION NAME FALLBROOK	ELEV 660	SEC 25	TWP 09S	RNO LOT 04W K	BWM S	LATITUDE 33.365	LONGITUDE 117.249	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	300	600	3650	
2	2.14	2.76	2.96	3.09	3.23	3.42	3.70	4.02	4.47	4.95	6.00	8.24	13.48
5	3.26	4.26	4.64	4.84	5.03	5.30	5.72	6.15	6.83	7.46	8.89	12.30	19.08
10	4.05	5.31	5.82	6.08	6.28	6.58	7.06	7.54	8.38	9.09	10.72	14.86	22.65
20	4.81	6.31	6.97	7.27	7.48	7.79	8.34	8.84	9.83	10.59	12.40	17.22	26.05
25	5.08	6.62	7.33	7.65	7.86	8.18	8.73	9.25	10.29	11.06	12.92	17.65	27.09
40	5.56	7.28	8.09	8.44	8.65	8.97	9.55	10.09	11.22	11.95	13.99	19.45	27.60
50	5.80	7.59	8.44	8.81	9.02	9.35	9.94	10.48	11.66	12.47	14.49	20.15	30.23
100	6.54	8.54	9.54	9.96	10.16	10.49	11.12	11.80	13.46	14.30	16.00	22.26	33.27
200	7.26	9.48	10.63	11.09	11.28	11.62	12.27	12.85	14.30	15.17	17.46	24.31	36.23
1000	8.93	11.62	13.13	13.70	13.85	14.18	14.90	15.49	17.24	18.16	20.73	28.90	42.69
10000	11.28	14.04	16.64	17.37	17.46	17.76	18.35	19.14	21.31	22.27	25.20	35.17	52.05
PMP	20.56	27.45	36.52	31.85	32.82	34.21	36.86	36.79	43.19	46.27	53.55	74.97	105.47
MEAN	2.445	3.146	3.422	3.571	3.692	3.874	4.199	4.469	4.968	5.434	6.519	8.962	14.568
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.353	1.835	1.874	1.875	1.868	1.857	1.831	1.826	1.831	1.857	1.770	1.532	1.086
REGIONAL SKEW	1.600	1.300	1.600	1.600	1.300	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.100
KURTOSIS	4.712	6.039	5.776	5.082	7.406	6.396	5.179	4.231	3.454	3.585	3.201	5.618	7.619
RECORD YEAR	30	30	30	30	30	30	30	30	30	30	30	30	30
RECORD MAXIMUM	5.090	8.200	6.700	9.600	9.600	9.600	9.600	9.600	9.900	11.700	12.730	23.500	40.290
NORMALIZED MAX	2.260	2.988	3.028	3.476	3.424	3.274	2.871	2.600	2.267	2.623	2.138	3.010	3.551
CALC. COEF. VAR	.462	.538	.509	.502	.483	.467	.472	.459	.434	.439	.406	.537	.497
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
MEAN/A	.1678	.2139	.2349	.2451	.2534	.2659	.2855	.3068	.3410	.3730	.4475	.6152	1.0000
RP10/A	.2780	.3642	.3997	.4171	.4311	.4515	.4847	.5173	.5753	.6236	.7360	1.0201	1.5576
RP25/A	.3472	.4540	.5032	.5250	.5394	.5613	.5991	.6347	.7062	.7591	.8872	1.2392	1.8593
RP50/A	.3983	.5210	.5695	.6048	.6191	.6415	.6821	.7193	.8004	.8561	.9947	1.3931	2.0753
RP100/A	.4487	.5863	.6551	.6836	.6973	.7201	.7631	.8015	.8920	.9490	1.0981	1.5282	2.2840
RP1000/A	.6131	.7980	.9010	.9402	.9510	.9732	1.0226	1.0630	1.1833	1.2465	1.4228	1.9839	2.9442
RP10000/A	.7746	1.0047	1.1826	1.1922	1.1988	1.2191	1.2731	1.3140	1.4628	1.5289	1.7597	2.4146	3.5729
PMP/A	1.4115	1.8841	2.0953	2.1884	2.2528	2.3482	2.5166	2.6628	2.9651	3.1764	3.7602	5.1461	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 203 3914 0	STATION NAME HENSCHAW DAM	ELEV 329	SEC 2700	TWP 10	RNO LOT 11S 02E	BWM S	LATITUDE 33.233	LONGITUDE 116.767	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	3.62	4.67	5.11	5.54	5.83	6.22	6.76	7.25	8.21	9.04	10.45	14.26	23.75
5	5.53	7.22	8.01	8.68	9.10	9.65	10.44	11.08	12.55	13.65	15.47	21.28	33.63
10	6.87	8.99	10.05	10.89	11.36	11.97	12.90	13.59	15.39	16.62	18.65	25.72	39.99
20	8.16	10.66	12.02	13.03	13.53	14.19	15.21	15.93	18.06	19.37	21.58	29.81	45.89
25	8.57	11.21	12.65	13.71	14.21	14.88	15.94	16.67	18.89	20.23	22.48	31.07	47.73
40	9.43	12.33	13.96	15.13	15.64	16.33	17.44	18.18	20.61	22.04	24.34	33.67	48.63
50	9.84	12.89	14.47	15.80	16.31	16.91	18.15	18.89	21.41	22.81	25.21	34.67	51.27
100	11.08	14.46	16.47	17.85	18.37	19.11	20.30	21.05	23.86	25.31	27.63	38.53	58.63
200	12.31	16.05	18.35	19.89	20.41	21.14	22.42	23.16	26.25	27.74	30.37	42.08	63.85
1000	15.14	19.69	22.65	24.56	25.08	25.91	27.21	27.92	31.63	33.21	38.05	50.02	75.57
10000	19.13	24.76	28.72	31.14	31.59	32.33	33.67	34.31	39.13	40.74	43.63	60.66	91.71
PMP	34.85	46.48	52.67	57.10	59.36	62.26	66.96	69.93	79.31	84.63	93.16	129.76	185.94
MEAN	4.144	5.327	5.905	6.402	6.677	7.051	7.596	8.057	9.121	9.939	11.340	15.512	25.669
CLOCK NR. COR.	1.140	1.076	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.401	2.227	2.544	2.535	2.420	2.334	2.101	1.905	1.927	1.908	1.791	1.152	.850
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	10.580	9.939	11.889	11.865	10.828	10.370	8.985	7.828	7.443	7.420	6.947	4.654	3.142
RECORD YEAR	63	63	63	63	63	63	63	63	63	63	63	63	63
RECORD MAXIMUM	14.480	16.940	23.080	25.380	25.620	26.300	26.760	26.760	29.690	32.480	34.520	38.240	51.080
NORMALIZED MAX	3.986	4.230	4.634	4.762	4.859	4.998	4.992	4.993	5.320	5.731	5.768	6.064	6.899
CALC. COEF. VAR	.630	.604	.628	.623	.615	.595	.574	.567	.591	.577	.534	.479	.396
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.491
MEAN/A	.1615	.2075	.2300	.2494	.2601	.2747	.2959	.3139	.3553	.3872	.4418	.6043	1.0000
RP10/A	.2675	.3500	.3915	.4244	.4425	.4664	.5024	.5293	.5997	.6473	.7286	1.0020	1.5376
RP25/A	.3340	.4230	.4634	.4979	.5169	.5408	.5769	.5997	.6793	.7359	.8168	1.0000	1.5376
RP50/A	.3831	.5007	.5677	.6154	.6394	.6627	.7070	.7359	.8461	.8866	.9919	1.3506	2.0753
RP100/A	.4317	.5635	.6415	.6955	.7158	.7438	.7910	.8200	.9295	.9660	1.0840	1.5011	2.2840
RP1000/A	.5898	.7669	.8624	.9566	.9762	1.0053	1.0399	1.0876	1.2331	1.2939	1.4046	1.9487	2.9442
RP10000/A	.7451	.9638	1.1189	1.2136	1.2359	1.2593	1.3194	1.3243	1.5890	1.6763	1.9173	2.7171	3.9729
PMP/A	1.3578	1.8108	2.0519	2.2245	2.3124	2.4256	2.6085	2.7243	3.0997	3.2971	3.6291	5.0549	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE			
203 9447 0	WARNER SPRINGS	3180	25	105	03E	0	5	33.285	116.631	90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.03	2.67	2.95	3.13	3.35	3.58	3.93	4.22	4.81	5.32	6.21	8.36	15.26
5	3.10	4.14	4.62	4.90	5.23	5.55	6.06	6.44	7.35	8.03	9.20	12.47	21.61
10	3.85	5.15	5.80	6.15	6.53	6.89	7.48	7.90	9.01	9.77	11.10	15.07	25.69
20	4.58	6.12	6.93	7.30	7.77	8.17	8.83	9.27	10.57	11.39	12.84	17.47	29.49
25	4.81	6.42	7.30	7.74	8.16	8.57	9.28	9.70	11.00	11.90	13.38	18.21	30.67
40	5.29	7.06	8.05	8.54	8.98	9.40	10.12	10.58	12.06	12.14	14.48	19.73	31.25
50	5.52	7.36	8.40	8.92	9.37	9.79	10.53	10.99	12.53	13.42	15.00	20.44	34.23
100	6.22	8.28	9.50	10.08	10.55	10.99	11.78	12.24	13.97	14.85	16.56	22.58	37.67
200	6.91	9.19	10.58	11.23	11.72	12.17	13.07	13.47	15.37	16.32	18.07	24.66	41.03
1000	8.50	11.27	13.06	13.87	14.39	14.86	15.79	16.24	18.93	19.53	21.45	29.32	48.56
10000	10.74	14.19	16.57	17.59	18.14	18.61	19.66	20.07	22.91	23.96	26.08	35.68	56.93
PMP	19.56	26.82	30.38	32.25	34.10	35.85	38.86	40.68	46.43	49.77	55.42	76.05	119.42
MEAN	2.326	3.051	3.406	3.616	3.835	4.060	4.408	4.686	5.340	5.846	6.747	9.091	16.494
CLOCK HR. COR.	1.140	1.170	1.040	1.020	1.010	1.010	1.000	1.005	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.622	1.468	1.830	2.017	1.955	1.828	2.325	2.344	2.258	2.276	1.846	1.394	1.038
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	5.543	5.247	7.145	7.823	7.444	6.939	10.903	11.251	9.812	9.903	7.720	5.526	4.132
RECORD YEAR	67	67	67	67	67	67	67	67	67	67	67	67	70
RECORD MAXIMUM	1927	1927	1927	1927	1922	1922	1922	1922	1922	1922	1922	1922	1922
NORMALIZED MAX	5.960	6.090	9.820	10.730	12.160	12.160	17.160	18.380	19.860	21.860	21.860	25.680	38.230
CALC. COEF. VAR	2.950	3.169	3.497	3.471	3.529	3.529	4.813	4.888	4.446	4.458	4.090	3.563	3.387
REGR. COEF. VAR	.530	.521	.539	.567	.582	.585	.601	.598	.612	.615	.547	.498	.389
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.1410	1.1850	1.2095	1.2192	1.2325	1.2462	1.2673	1.2841	1.3237	1.3544	1.4090	1.5512	1.0000
RP10/A	1.2336	1.3119	1.3514	1.3730	1.3955	1.4179	1.4537	1.4791	1.5404	1.5925	1.6727	1.9139	1.5578
RP25/A	1.2917	1.3893	1.4423	1.4695	1.4950	1.5195	1.5608	1.5878	1.6704	1.7212	1.8109	1.1040	1.8593
RP50/A	1.3347	1.4462	1.5095	1.5409	1.5681	1.5938	1.6386	1.6662	1.7599	1.8133	1.9092	1.2391	2.0753
RP100/A	1.3771	1.5022	1.5759	1.6113	1.6399	1.6645	1.7144	1.7423	1.8468	1.9037	1.3691	2.2840	2.3691
RP1000/A	1.5152	1.6834	1.7920	1.8408	1.8727	1.9008	1.9573	1.9846	1.1234	1.1842	1.3005	1.1774	2.6442
RP10000/A	1.6509	1.8605	1.0443	1.0662	1.1001	1.1284	1.1918	1.2170	1.3887	1.4525	1.5810	2.1632	3.5729
PMP/A	1.1660	1.6137	1.6418	1.9553	2.0672	2.1735	2.3560	2.4652	2.8149	3.0177	3.3602	4.6105	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE			
20A 2840 1	E RESERVOIR	373	752	16	115	03W	5	33.217	117.217	90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.88	2.27	2.44	2.54	2.67	2.83	2.95	3.33	3.70	4.10	4.94	6.86	11.85
5	2.87	3.51	3.62	3.98	4.17	4.38	4.55	5.09	5.60	6.19	7.32	10.24	16.78
10	3.57	4.37	4.79	4.99	5.20	5.44	5.62	6.25	6.94	7.53	8.89	12.37	19.95
20	4.24	5.20	5.73	5.97	6.19	6.44	6.63	7.33	8.14	8.78	10.21	14.34	22.90
25	4.46	5.46	6.03	6.28	6.51	6.76	6.95	7.67	8.51	9.17	10.64	14.95	23.82
40	4.90	6.00	6.65	6.93	7.10	7.42	7.61	8.36	9.29	9.36	11.52	16.20	24.26
50	5.11	6.28	6.94	7.24	7.47	7.72	7.91	8.69	9.58	10.34	11.93	16.78	26.58
100	5.76	7.04	7.84	8.18	8.41	8.67	8.85	9.68	10.75	11.48	13.17	18.54	29.25
200	6.40	7.81	8.74	9.11	9.34	9.60	9.77	10.65	11.83	12.58	14.37	20.25	31.65
1000	7.87	9.56	10.79	11.25	11.47	11.72	11.86	12.84	14.26	15.06	17.06	24.07	37.71
10000	9.94	12.08	13.68	14.27	14.48	14.68	14.77	15.87	17.63	18.47	20.74	29.29	45.76
PMP	18.12	22.62	25.09	26.17	27.17	28.27	29.20	32.10	35.74	38.38	44.08	62.43	92.73
MEAN	2.154	2.592	2.813	2.934	3.057	3.202	3.312	3.705	4.111	4.507	5.366	7.463	12.808
CLOCK HR. COR.	1.1410	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.752	.304	-.0032	.236	.360	.416	.358	.378	.300	.198	.261	.679	1.112
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	3.962	2.865	2.265	2.788	2.930	2.760	2.602	2.438	2.488	2.314	2.760	3.206	4.521
RECORD YEAR	1941	1941	1941	1938	1938	1938	1938	1906	1938	1938	1941	1941	1937
RECORD MAXIMUM	3.820	4.380	4.380	5.350	5.700	5.920	6.400	7.430	7.500	9.570	10.930	26.470	40.700
NORMALIZED MAX	2.020	1.632	1.505	2.195	2.335	2.246	2.102	1.860	1.737	1.595	1.360	2.304	2.573
CALC. COEF. VAR	.383	.376	.370	.382	.370	.376	.375	.387	.395	.382	.395	.434	.414
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.6882	1.624	1.2196	1.2291	1.2386	1.2500	1.2586	1.2693	1.3209	1.3519	1.4189	1.5826	1.0000
RP10/A	1.7886	1.8413	1.8737	1.8988	1.9060	1.9244	1.9390	1.9878	2.0451	2.0883	2.1690	2.4661	1.5578
RP25/A	1.8479	1.9280	1.9749	1.9906	2.0080	2.0276	2.0485	2.0984	2.1646	2.2160	2.3065	2.6100	1.8593
RP50/A	1.8991	1.9883	2.0419	2.0582	2.0760	2.0961	2.1179	2.1882	2.2633	2.3075	2.4132	2.7309	2.0753
RP100/A	1.9497	2.0495	2.1125	2.0988	2.0507	2.0769	2.0912	2.1557	2.2394	2.2860	2.4080	2.7473	2.2840
RP1000/A	2.1144	2.2478	2.3424	2.2786	2.1993	2.1449	2.1262	2.1004	2.1136	2.1157	2.1320	2.1889	2.4442
RP10000/A	2.7762	2.9415	3.0882	3.1141	3.1289	3.1401	3.1532	3.2390	3.3787	3.4422	3.6192	4.2868	3.5729
PMP/A	1.4145	1.7057	1.9509	2.0431	2.1214	2.2074	2.2795	2.3108	2.3905	2.4962	2.6416	3.4739	7.2400

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS

WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE
Z04 2062 0	ESCONDIDO 1	660	22	125	02W	5	33.117	117.063	90	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.10	2.70	2.99	3.23	3.45	3.66	3.93	4.28	4.91	5.46
5	3.20	4.17	4.69	5.07	5.38	5.67	6.06	6.53	7.51	8.27
10	3.98	5.19	5.88	6.36	6.71	7.04	7.49	8.01	9.21	10.07
20	4.73	6.17	7.03	7.61	8.00	8.34	8.83	9.40	10.81	11.74
25	4.97	6.48	7.40	8.00	8.40	8.75	9.25	9.83	11.31	12.26
40	5.46	7.12	8.16	8.83	9.24	9.61	10.13	10.72	12.33	12.51
50	5.70	7.42	8.53	9.22	9.64	10.01	10.53	11.14	12.81	13.62
100	6.42	8.35	9.63	10.42	10.86	11.23	11.79	12.41	14.28	15.34
200	7.13	9.27	10.73	11.61	12.06	12.44	13.01	13.69	15.71	16.81
1000	8.77	11.37	13.25	14.33	14.81	15.18	15.79	16.46	18.94	20.13
10000	11.08	14.32	16.80	18.17	18.67	19.02	19.66	20.35	23.42	24.69
PMP	20.19	26.84	30.82	33.33	35.08	36.63	38.87	41.24	47.47	51.29
MEAN	2.400	3.077	3.455	3.736	3.946	4.148	4.409	4.751	5.459	6.024
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.718	1.552	1.553	1.552	1.550	1.548	1.542	1.537	1.519	1.508
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000
KURTOSIS	6.683	5.246	6.197	6.596	5.918	5.775	5.477	4.923	7.207	7.169
RECORD YEAR	71	71	71	71	71	71	71	71	71	71
RECORD MAXIMUM	6.30	6.38	10.04	11.17	11.35	11.80	12.30	12.30	17.40	18.90
NORMALIZED MAX	3.319	3.347	3.605	3.773	3.652	3.581	3.716	3.280	4.225	4.262
CALC. COEF. VAR	.531	.515	.529	.527	.514	.502	.482	.487	.504	.478
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	.1509	.1935	.2172	.2349	.2481	.2608	.2772	.2988	.3433	.3768
RP10/A	.2500	.3263	.3697	.3998	.4221	.4428	.4707	.5038	.5793	.6333
RP25/A	.3122	.4073	.4553	.5032	.5282	.5505	.5818	.6181	.7109	.7768
RP50/A	.3582	.4668	.5360	.5797	.6062	.6292	.6624	.7005	.8058	.8693
RP100/A	.4036	.5253	.6058	.6552	.6828	.7042	.7411	.7868	.9045	.9704
RP1000/A	.5514	.7149	.8333	.9012	.9312	.9545	.9930	1.0353	1.1912	1.2837
RP10000/A	.6966	.9002	1.0566	1.1427	1.1739	1.1957	1.2363	1.2797	1.4725	1.5525
PMP/A	1.2694	1.6880	1.9377	2.0956	2.2059	2.3030	2.4439	2.5933	2.9847	3.2253

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	8MM	LATITUDE	LONGITUDE	COUNTY CODE
Z04 4726 0	LAKE WOLFORD	1500	32	115	01W	J	5	33.175	116.999	90
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.40	3.12	3.39	3.62	3.82	4.05	4.30	4.75	5.40	5.96
5	3.66	4.82	5.31	5.67	5.96	6.28	6.64	7.26	8.25	8.99
10	4.54	5.99	6.66	7.11	7.44	7.79	8.20	8.70	10.12	10.95
20	5.40	7.13	7.97	8.50	8.86	9.23	9.67	10.44	11.87	12.76
25	5.67	7.48	8.39	8.95	9.31	9.69	10.14	10.92	12.42	13.33
40	6.24	8.23	9.25	9.87	10.25	10.63	11.09	11.91	13.55	14.60
50	6.51	8.58	9.66	10.31	10.69	11.07	11.54	12.37	14.08	15.03
100	7.33	9.65	10.92	11.65	12.04	12.43	12.91	13.76	15.69	16.68
200	8.15	10.71	12.17	12.99	13.37	13.76	14.25	15.17	17.26	18.28
1000	10.02	13.13	15.02	16.02	16.42	16.80	17.30	18.29	20.81	21.68
10000	12.66	16.54	19.05	20.31	20.70	21.04	21.54	22.80	25.73	26.84
PMP	23.06	31.01	34.93	37.25	38.89	40.53	42.58	45.91	52.15	55.77
MEAN	2.742	3.554	3.916	4.176	4.375	4.590	4.830	5.277	5.998	6.549
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.832	2.067	1.875	2.524	2.248	2.009	1.685	1.417	1.028	.888
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000
KURTOSIS	6.945	8.551	7.725	11.220	9.743	8.497	6.875	5.549	3.678	3.145
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	6.900	10.800	11.400	13.900	13.900	13.900	13.900	13.900	13.900	16.290
NORMALIZED MAX	2.365	3.076	3.110	3.560	3.475	3.390	3.172	2.947	2.423	2.121
CALC. COEF. VAR	.591	.459	.459	.528	.528	.528	.528	.528	.501	.481
REGN. COEF. VAR	.494	.513	.528	.528	.526	.522	.521	.512	.513	.501
USED COEF. VAR	.494	.513	.528	.528	.526	.522	.521	.512	.513	.501
MEAN/A	.1488	.1920	.2124	.2266	.2373	.2490	.2620	.2803	.3254	.3553
RP10/A	.2464	.3252	.3515	.3856	.4038	.4227	.4448	.4828	.5491	.5940
RP25/A	.3077	.4059	.4550	.4853	.5052	.5256	.5498	.5923	.6738	.7230
RP50/A	.3532	.4632	.5242	.5591	.5790	.6007	.6260	.6712	.7614	.8451
RP100/A	.3977	.5235	.5924	.6319	.6531	.6742	.7004	.7479	.8511	.9047
RP1000/A	.5435	.7125	.8148	.8691	.8907	.9112	.9385	.9920	1.1290	1.1319
RP10000/A	.6866	.8971	1.0332	1.1020	1.1228	1.1415	1.1684	1.2252	1.3957	1.4361
PMP/A	1.2511	1.6823	1.8948	2.0210	2.1100	2.1987	2.3097	2.4850	2.8291	3.0252

PEARSON TYPE III DISTRIBUTION ESTIMATE
 PROBABLE MAXIMUM PRECIPITATION USED BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME		ELEV	SEC	TWP	RND LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE														
205 4014 0	HODGES RES		348	320	18	135	02W	S	33.050	117.133	90													
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS																								
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650											
2	1.93	2.34	2.52	2.73	2.96	3.13	3.36	3.74	4.10	4.54	5.49	7.66	13.24											
5	2.94	3.63	3.94	4.20	4.42	4.85	5.16	5.72	6.26	6.85	8.12	11.43	18.75											
10	3.65	4.51	4.95	5.36	5.76	6.02	6.40	7.01	7.68	8.34	9.79	13.81	22.30											
20	4.34	5.36	5.92	6.42	6.96	7.13	7.55	8.22	9.01	9.72	11.33	16.01	25.59											
40	4.56	5.63	6.23	6.71	7.28	7.47	7.93	8.60	9.43	10.15	11.81	16.08	26.41											
60	5.01	6.19	6.87	7.45	7.93	8.21	8.66	9.38	10.28	10.36	12.78	18.08	27.12											
100	5.23	6.45	7.17	7.78	8.27	8.55	9.01	9.75	10.68	11.45	13.24	18.73	29.71											
200	5.89	7.28	8.13	8.79	9.32	9.60	10.08	10.86	11.91	12.71	14.61	20.49	32.49											
400	6.65	8.06	9.03	9.75	10.35	10.63	11.13	11.95	13.10	13.93	15.95	22.60	35.60											
1000	8.05	9.88	11.15	12.09	12.71	12.97	13.51	14.41	15.79	16.67	18.93	26.86	41.14											
10000	10.17	12.44	14.14	15.33	16.02	16.25	16.82	17.81	19.52	20.45	23.62	32.49	51.14											
PMP	18.53	23.33	25.93	28.12	30.11	31.30	33.24	36.09	39.57	42.49	48.92	69.68	103.63											
MEAN												2.203	2.674	2.907	3.192	3.386	3.544	3.771	4.158	4.551	4.990	5.955	8.330	14.314
CLOCK MR. COR.												1.140	1.070	1.090	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW												1.214	1.040	1.030	1.115	1.127	1.030	1.793	.572	1.400	.501	.532	.720	1.273
REGIONAL SKEW												1.000	1.500	1.000	1.000	1.500	1.400	1.300	1.200	1.200	1.000	1.000	1.000	1.100
SKEW USED												1.500	1.500	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.100

KURTOSIS	4.685	4.086	3.097	4.966	4.698	4.623	3.811	3.365	3.230	3.104	2.980	3.372	5.523
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1937	1937	1937	1938	1938	1938	1938	1938	1937	1937	1937	1937	1937
RECORD MAXIMUM	5.580	5.620	7.175	7.175	7.175	7.175	7.175	7.175	8.080	9.340	11.350	17.550	32.920
NORMALIZED MAX	2.405	2.734	2.376	3.192	3.097	3.057	2.805	2.465	2.590	2.355	2.330	2.593	3.395
CALC. COEF. VAR	.496	.397	.394	.389	.392	.404	.388	.381	.367	.370	.389	.425	.383
REGION. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.530	1.868	2.031	2.202	2.366	2.476	2.635	2.995	3.180	3.486	4.160	5.819	1.0000
RP10/A	.254	.351	.374	.402	.427	.447	.473	.498	.536	.568	.684	.944	1.9578
RP25/A	.318	.393	.430	.471	.503	.526	.559	.600	.655	.704	.826	1.1656	1.8593
RP50/A	.365	.450	.501	.543	.576	.593	.625	.681	.744	.800	.924	1.3082	2.0753
RP100/A	.411	.507	.563	.614	.650	.675	.704	.758	.837	.887	1.029	1.4455	2.2840
RP1000/A	.562	.694	.779	.847	.887	.902	.937	1.006	1.104	1.168	1.327	1.8766	2.9442
RP10000/A	.710	.863	.987	.1.071	1.112	1.139	1.174	1.242	1.364	1.427	1.608	2.2339	3.5729
PMP/A	1.243	1.630	1.814	1.964	2.103	2.186	2.324	2.521	2.768	2.963	3.416	4.887	7.2400

PRECIPITATION DEPTH=DURATION=FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RND LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE				
205 7744 1	SAN DIEGUITO RES	356	250	16	135	03W	S	33.033	117.200	90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.88	2.29	2.51	2.70	2.87	3.07	3.27	3.57	3.93	4.26	5.16	6.97	12.09
5	2.87	3.54	3.93	4.22	4.48	4.75	5.05	5.45	6.01	6.43	7.64	10.39	17.12
10	3.56	4.41	4.93	5.30	5.58	5.90	6.24	6.69	7.37	7.82	9.21	12.56	20.36
20	4.24	5.24	5.89	6.34	6.65	6.99	7.36	7.84	8.64	9.12	10.65	14.56	23.36
25	4.45	5.50	6.20	6.67	6.99	7.33	7.71	8.20	9.04	9.52	11.10	15.18	24.30
40	4.90	6.05	6.84	7.36	7.69	8.05	8.44	8.95	9.86	10.72	12.02	16.44	24.75
50	5.15	6.31	7.14	7.68	8.02	8.38	8.78	9.30	10.25	10.74	12.45	17.03	27.12
100	5.39	7.10	8.07	8.68	9.03	9.41	9.82	10.36	11.42	11.92	13.74	18.82	29.64
200	5.99	7.80	8.99	9.67	10.03	10.42	10.84	11.40	12.56	13.06	14.99	20.56	32.50
1000	7.86	9.86	11.11	11.94	12.32	12.71	13.16	13.74	15.15	15.64	17.80	24.43	38.47
10000	9.93	12.17	14.08	15.14	15.53	15.93	16.38	16.99	18.72	19.18	21.64	29.74	46.59
PMP	18.09	22.81	25.92	27.77	29.18	30.67	32.38	34.42	37.95	39.84	44.00	63.38	94.60
MEAN	2.151	2.615	2.895	3.113	3.283	3.474	3.673	3.966	4.365	4.679	5.599	7.977	13.067
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.552	1.373	1.149	1.016	.907	.847	.638	.398	.355	.170	.366	.468	1.107
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000

KURTOSIS	3.054	5.697	5.162	4.482	4.105	4.104	3.638	3.241	3.238	3.034	2.897	2.821	4.430
N	42	42	42	42	42	42	42	42	42	42	42	42	42
RECORD YEAR	1937	1927	1927	1927	1927	1927	1927	1927	1927	1927	1952	1937	1937
RECORD MAXIMUM	3.430	5.790	6.650	6.070	6.940	7.500	7.950	7.950	8.230	8.370	10.100	14.250	27.820
NORMALIZED MAX	1.736	3.148	3.259	3.093	2.937	3.008	2.814	2.465	2.349	2.255	2.050	2.186	2.886
CALC. COEF. VAR	.342	.386	.398	.390	.379	.385	.379	.371	.369	.350	.361	.491	.416
REGION. COEF. VAR	.514	.513	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	1.646	2.001	2.214	2.383	2.512	2.659	2.811	3.035	3.340	3.501	4.285	5.798	1.0000
RP10/A	.272	.3375	.3770	.4055	.4274	.4514	.4772	.5118	.5637	.5987	.7040	.9614	1.9578
RP25/A	.3406	.4212	.4746	.5104	.5368	.5611	.5899	.6279	.6818	.7287	.8495	1.1636	1.8593
RP50/A	.3907	.4828	.5467	.5880	.6137	.6413	.6717	.7116	.7841	.8218	.954	1.3036	2.0753
RP100/A	.4543	.5513	.6209	.6845	.7193	.7498	.7814	.8229	.8737	.9119	1.0515	1.4404	2.2840
RP1000/A	.6015	.7394	.8469	.9140	.9428	.9729	1.0069	1.0517	1.1591	1.1966	1.3624	1.8698	2.9442
RP10000/A	.7599	.9310	1.0777	1.1589	1.1805	1.2108	1.2536	1.2999	1.4329	1.4677	1.6562	2.2759	3.5729
PMP/A	1.3846	1.7458	1.9764	2.1254	2.2334	2.3475	2.4781	2.6343	2.9044	3.0493	3.5201	4.8503	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE												
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE	
207 2239 0	CUTANACA	321	4650					32.983	116.583		90	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600
2	4.14	5.68	6.30	6.78	7.25	7.75	8.43	9.09	10.55	11.67	13.63	19.04
5	6.32	8.79	9.87	10.62	11.31	12.02	13.01	13.89	16.13	17.62	20.19	28.41
10	7.85	10.93	12.39	13.32	14.11	14.91	16.06	17.03	19.79	21.45	24.34	34.34
20	9.33	12.99	14.82	15.94	16.81	17.67	18.95	19.97	23.22	25.00	28.15	39.80
25	9.80	13.64	15.59	16.77	17.66	18.54	19.86	20.89	24.29	26.11	29.34	41.48
40	10.79	15.00	17.20	18.50	19.43	20.34	21.73	22.79	26.50	28.65	31.76	44.95
50	11.50	15.68	17.96	19.29	20.16	21.07	22.53	23.68	27.59	29.84	32.69	46.56
100	12.67	17.00	20.20	21.83	22.63	23.76	25.29	26.38	30.62	32.67	36.31	51.45
200	14.08	19.53	22.61	24.32	25.35	26.33	27.92	29.03	33.75	35.61	39.63	56.19
1000	17.32	23.95	27.92	30.03	31.13	32.14	33.69	34.99	40.70	42.67	47.05	66.79
10000	21.88	30.16	35.40	38.07	39.27	40.27	42.20	43.25	50.31	52.58	57.19	81.29
PMP	38.86	56.55	64.92	69.82	73.74	77.56	83.41	87.65	101.97	109.24	121.56	173.25
MEAN	4.740	6.481	7.278	7.808	8.295	8.784	9.462	10.098	11.728	12.829	14.797	20.711
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.257	2.338	2.119	2.076	1.869	1.789	1.915	1.603	1.339	1.469	1.326	.845
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000
KURTOSIS	8.669	10.282	6.535	8.318	7.329	7.079	8.248	6.740	5.776	5.562	5.361	3.267
N	87	87	87	87	87	87	87	87	87	87	87	87
RECORD YEAR	1927	1891	1891	1927	1927	1927	1891	1891	1891	1916	1916	1890
RECORD MAXIMUM	12.010	22.400	23.400	25.440	26.250	26.930	31.500	32.500	32.800	36.050	38.890	44.750
NORMALIZED MAX	3.311	4.363	3.844	4.049	3.972	3.847	4.337	4.140	3.480	3.719	3.652	2.065
CALC. COEF. VAR	.494	.514	.528	.528	.528	.528	.528	.528	.528	.528	.528	.528
REGION. COEF. VAR	.494	.515	.528	.528	.528	.528	.521	.512	.513	.501	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.528	.528	.521	.512	.513	.501	.481	.416
MEAN/A	.1262	.1726	.1938	.2084	.2209	.2339	.2519	.2689	.3123	.3416	.3940	.5514
RP10/A	.2091	.2911	.3298	.3547	.3758	.3970	.4277	.4534	.5270	.5710	.6480	.9144
RP25/A	.2610	.3633	.4151	.4484	.4702	.4936	.5287	.5563	.6567	.6951	.7812	1.1045
RP50/A	.2995	.4164	.4782	.5143	.5396	.5642	.6020	.6304	.7336	.7739	.8757	1.2937
RP100/A	.3374	.4685	.5405	.5913	.6078	.6332	.6734	.7024	.8167	.8698	.9668	1.3698
RP1000/A	.4610	.6377	.7433	.7995	.8289	.8559	.9024	.9317	1.0935	1.1413	1.2526	1.7783
RP10000/A	.5824	.8629	.9426	1.0138	1.0449	1.0721	1.1235	1.1516	1.3394	1.3969	1.5228	2.1643
PMP/A	1.0614	1.5057	1.7286	1.8591	1.9633	2.0850	2.2208	2.3325	2.7150	2.9045	3.2365	4.6128

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE												
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY	CODE	
207 2702 0	EL CAJON S00-E	507	460	10	165	01W	F	32.795	116.971		90	
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS												
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600
2	1.91	2.38	2.58	2.75	2.95	3.08	3.32	3.61	3.97	4.33	5.17	6.95
5	2.91	3.68	4.04	4.31	4.52	4.70	5.12	5.41	6.08	6.54	7.66	10.37
10	3.62	4.58	5.06	5.40	5.75	5.93	6.32	6.77	7.45	7.96	9.23	12.53
20	4.30	5.44	6.06	6.46	6.84	7.03	7.46	7.94	8.74	9.28	10.68	14.52
25	4.52	5.72	6.38	6.80	7.19	7.37	7.82	8.30	9.15	9.69	11.13	15.14
40	4.97	6.28	7.03	7.50	7.91	8.09	8.55	9.05	9.98	10.59	12.05	16.40
50	5.18	6.55	7.34	7.83	8.25	8.43	8.90	9.41	10.37	10.93	12.48	16.99
100	5.84	7.37	8.30	8.85	9.30	9.46	9.96	10.48	11.55	12.13	13.78	18.77
200	6.49	8.16	9.25	9.86	10.33	10.47	10.99	11.53	12.71	13.29	15.03	20.50
1000	7.98	10.03	11.42	12.18	12.68	12.76	13.34	13.90	15.32	15.91	17.85	24.37
10000	10.08	12.63	14.48	15.44	15.96	16.01	16.61	17.18	18.94	19.52	21.70	29.66
PMP	18.37	23.69	26.15	28.32	30.03	30.84	32.83	34.82	38.40	40.55	46.12	63.21
MEAN	2.184	2.715	2.976	3.175	3.378	3.493	3.725	4.012	4.416	4.762	5.614	7.557
CLOCK MR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.628	1.797	1.855	1.908	1.902	1.730	1.773	1.453	1.133	.928	.685	.688
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000
KURTOSIS	5.708	7.192	7.991	7.245	7.159	8.072	8.939	7.288	5.326	4.642	4.120	2.979
N	43	43	43	43	43	43	43	43	43	43	43	42
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1941	1941
RECORD MAXIMUM	5.100	7.450	8.820	9.490	9.620	10.420	11.380	11.380	11.640	11.660	12.950	15.280
NORMALIZED MAX	2.638	3.460	3.782	3.988	3.839	3.981	4.619	4.632	4.619	4.619	3.183	3.082
CALC. COEF. VAR	.506	.504	.518	.525	.497	.496	.492	.467	.461	.430	.410	.383
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.416
MEAN/A	.1731	.2152	.2359	.2516	.2677	.2768	.2952	.3179	.3499	.3774	.4449	.5988
RP10/A	.2867	.3629	.4014	.4282	.4499	.4585	.4905	.5107	.5659	.6017	.6920	1.0000
RP25/A	.3580	.4529	.5052	.5389	.5699	.5842	.6194	.6574	.7247	.7679	.8820	1.1994
RP50/A	.4107	.5191	.5620	.6020	.6340	.6577	.7053	.7484	.8214	.8660	.9888	1.3462
RP100/A	.4627	.5842	.6570	.7017	.7367	.7494	.7899	.8306	.9153	.9609	.1.0916	1.4875
RP1000/A	.5823	.7953	.9047	.9651	1.0047	1.0123	1.0731	1.1143	1.2143	1.2609	1.4181	2.0000
RP10000/A	.7988	1.0011	1.1472	1.2238	1.2668	1.2688	1.3163	1.3618	1.5011	1.5467	1.7195	2.3503
PMP/A	1.4555	1.6772	2.1038	2.4443	2.3800	2.4439	2.6020	2.7597	3.0428	3.2133	3.6546	5.0091

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N 75 SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	8WM	LATITUDE	LONGITUDE	COUNTY CODE
Z07 2709 0	EL CAPITAN OAM	600	07	15S	02E 8	S	32.883	116.817	90

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	2.06	2.62	2.86	3.00	3.27	3.43	3.74	4.15	4.64	5.08	6.23
5	3.15	4.06	4.48	4.71	5.10	5.32	5.77	6.34	7.09	7.67	9.23
10	3.91	5.05	5.63	5.90	6.37	6.60	7.13	7.77	8.70	9.34	11.13
20	4.65	6.00	6.73	7.08	7.59	7.82	8.41	9.11	10.20	10.89	12.87
25	4.88	6.30	7.08	7.43	7.97	8.20	8.81	9.53	10.67	11.37	13.41
40	5.37	6.93	7.81	8.20	8.77	9.00	9.64	10.40	11.65	11.61	14.52
50	5.60	7.23	8.16	8.55	9.15	9.37	10.03	10.80	12.10	12.82	15.04
60	5.81	7.51	8.47	8.87	9.47	9.69	10.36	11.12	12.44	13.18	15.48
200	7.01	9.02	10.27	10.78	11.44	11.65	12.39	13.24	14.83	15.60	18.12
1000	8.62	11.07	12.68	13.30	14.05	14.22	15.03	15.97	17.89	18.67	21.81
10000	10.89	13.93	16.08	16.87	17.71	17.81	18.72	19.73	21.81	22.90	26.15
PMP	19.85	26.13	29.49	30.94	33.28	34.31	37.00	39.99	44.82	47.58	55.98

MEAN	2.360	2.995	3.306	3.468	3.744	3.885	4.197	4.607	5.154	5.588	6.766
CLOCK HR. COR.	1.140	1.670	1.870	1.920	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.941	1.426	1.608	2.008	1.760	1.576	1.313	1.160	.996	.899	2.122
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000

KURTOSIS	7.264	4.619	6.453	8.341	6.959	6.183	4.922	4.532	3.736	3.760	10.081
RECORD YEAR	33	33	33	33	33	33	33	33	33	33	33
RECORD MAXIMUM	5.600	6.300	6.480	6.960	9.640	9.640	10.010	11.260	12.260	19.800	26.890
NORMALIZED MAX	2.887	2.292	3.184	3.634	5.356	5.300	2.866	2.796	2.753	2.853	4.011
CALC. COEF. VAR	.475	.481	.492	.488	.456	.449	.437	.419	.430	.419	.480
REGION. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481

MEAN/A	.1494	.1895	.2092	.2194	.2369	.2458	.2656	.2915	.3261	.3536	.4281
RP10/A	.2474	.3196	.3559	.3734	.4030	.4174	.4508	.4916	.5504	.5911	.7011
RP25/A	.3089	.3988	.4480	.4701	.5042	.5189	.5573	.6031	.6754	.7195	.8487
RP50/A	.3584	.4572	.5101	.5415	.5787	.5930	.6355	.6835	.7655	.8114	.9615
RP100/A	.3993	.5145	.5833	.6120	.6518	.6666	.7099	.7610	.8530	.9003	1.0504
RP1000/A	.5456	.7002	.8023	.8418	.8889	.8997	.9512	1.0102	1.1316	1.1814	1.3611
RP10000/A	.6893	.8816	1.0173	1.0674	1.1208	1.1270	1.1843	1.2486	1.3989	1.4491	1.6547
PMP/A	1.2561	1.6532	1.8656	1.9575	2.1058	2.1708	2.3410	2.5303	2.8356	3.0105	3.5167

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG LOT	8WM	LATITUDE	LONGITUDE	COUNTY CODE
Z07 6039 31	MURRAY OAM	520	13	16S	02W	5	32.781	117.044	90

MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS M-HOURS											
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300
2	1.92	2.41	2.63	2.84	3.04	3.19	3.55	3.87	4.44	4.87	5.59
5	2.93	3.73	4.13	4.34	4.74	4.95	5.44	5.92	6.78	7.35	8.27
10	3.64	4.64	5.18	5.59	5.91	6.14	6.77	7.26	8.32	8.95	9.97
20	4.33	5.51	6.20	6.68	7.04	7.27	7.99	8.51	9.76	10.43	11.54
25	4.55	5.79	6.52	7.03	7.40	7.63	8.37	8.90	10.21	10.89	12.02
40	5.00	6.35	7.19	7.76	8.14	8.37	9.16	9.71	11.14	11.82	13.02
50	5.22	6.63	7.51	8.10	8.49	8.72	9.54	10.09	11.57	12.28	13.48
100	5.68	7.46	8.49	9.15	9.56	9.79	10.67	11.24	12.89	13.63	14.88
200	6.53	8.28	9.46	10.20	10.62	10.84	11.78	12.37	14.18	14.94	16.24
1000	8.03	10.16	11.67	12.59	13.08	13.23	14.29	14.91	17.10	17.68	19.28
10000	10.15	12.70	14.80	15.97	16.44	16.57	17.80	18.43	21.14	21.93	23.44
PMP	18.49	23.90	27.15	29.28	30.69	31.92	35.18	37.35	42.85	45.57	49.82

MEAN	2.199	2.748	3.043	3.283	3.475	3.615	3.991	4.303	4.929	5.351	6.064
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.788	1.272	1.418	1.408	1.374	1.325	1.207	1.085	1.323	1.357	1.089
REGIONAL SKEW	1.320	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000
SKEW USED	1.900	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000

KURTOSIS	3.128	4.229	5.073	4.854	4.741	4.543	4.107	3.971	4.656	4.902	4.023
RECORD YEAR	1927	1927	1927	1927	1927	1927	1927	1927	1916	1916	1916
RECORD MAXIMUM	4.230	6.300	7.770	8.430	8.740	8.960	9.630	10.410	13.010	13.830	15.120
NORMALIZED MAX	1.959	2.367	2.813	2.812	2.804	2.722	2.584	2.791	2.832	2.715	2.900
CALC. COEF. VAR	.497	.541	.552	.528	.540	.543	.556	.551	.587	.560	.550
REGION. COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481
USED COEF. VAR	.494	.515	.528	.528	.528	.522	.521	.512	.513	.501	.481

MEAN/A	.1680	.2100	.2325	.2508	.2655	.2762	.3049	.3288	.3765	.4088	.4633
RP10/A	.2762	.3541	.3956	.4267	.4510	.4688	.5176	.5544	.6354	.6835	.7620
RP25/A	.3423	.4420	.4980	.5312	.5601	.5797	.6382	.6782	.7791	.8319	.9195
RP50/A	.3966	.5066	.5737	.6108	.6485	.6662	.7284	.7706	.8638	.9383	1.0570
RP100/A	.4491	.5701	.6464	.6994	.7365	.7478	.8149	.8580	.9649	1.0410	1.1369
RP1000/A	.6136	.7756	.8918	.9619	.9962	1.0107	1.0920	1.1392	1.3065	1.3661	1.4731
RP10000/A	.7752	.9769	1.1309	1.2051	1.2586	1.2661	1.3576	1.4131	1.6151	1.6766	1.7908
PMP/A	1.4129	1.8319	2.0738	2.2369	2.3599	2.4386	2.6875	2.8536	3.2738	3.4812	3.8060

PEARSON TYPE III DISTRIBUTION USED

PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DENPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
207 7969 0	SAN VICENTE	358	660	31	145	01E	S	32.917	116.917	90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.74	2.26	2.50	2.68	2.85	3.00	3.21	3.52	3.94	4.35	5.09	6.74	12.06
5	2.05	2.50	2.92	4.21	4.44	4.64	4.95	5.37	6.02	6.56	7.54	10.06	17.08
10	3.29	4.35	4.91	5.28	5.54	5.76	6.11	6.59	7.38	7.98	9.09	12.16	20.31
20	3.91	5.17	5.86	6.31	6.60	6.83	7.21	7.73	8.66	9.31	10.52	14.69	23.31
25	4.11	5.43	6.18	6.64	6.93	7.16	7.55	8.08	9.06	9.72	10.96	14.69	24.24
40	4.52	5.97	6.82	7.33	7.63	7.86	8.27	8.82	9.88	9.92	11.07	15.02	24.70
50	4.72	6.23	7.17	7.65	7.96	8.19	8.60	9.16	10.27	10.96	12.29	16.49	27.05
100	5.31	7.01	8.05	8.65	8.96	9.19	9.62	10.21	11.44	12.16	13.57	18.22	29.78
200	5.91	7.78	8.97	9.63	9.95	10.18	10.62	11.23	12.50	13.33	14.81	19.90	32.43
1000	7.26	9.54	11.07	11.89	12.22	12.42	12.89	13.54	15.18	15.96	17.58	23.65	36.38
10000	9.17	12.01	14.04	15.08	15.41	15.66	16.05	16.73	19.77	19.57	21.37	28.78	46.58
PMP	16.72	22.51	25.75	27.66	28.95	29.97	31.73	33.91	38.64	40.66	45.42	61.35	94.38
MEAN	1.988	2.588	2.887	3.161	3.257	3.394	3.686	3.907	4.375	4.776	5.528	7.334	11.036
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.812	2.816	2.008	1.705	1.548	1.291	0.873	0.846	0.811	0.725	0.451	0.490	0.799
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	13.201	12.448	9.222	7.343	6.745	5.437	4.299	3.586	3.199	2.955	3.297	3.860	4.135
N	26	26	26	26	26	26	26	26	25	25	25	25	25
RECORD YEAR	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1958	1952
RECORD MAXIMUM	4.920	7.300	7.610	7.660	7.800	7.800	7.800	7.800	8.420	8.400	10.090	13.970	24.370
NORMALIZED MAX	3.260	3.577	3.421	3.278	3.241	3.018	2.777	2.531	2.402	2.236	2.222	2.377	2.482
CALC. COEF. VAR	.453	.511	.478	.448	.430	.406	.384	.365	.347	.331	.371	.381	.356
REGION. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1525	.1979	.2214	.2379	.2498	.2604	.2761	.2997	.3356	.3663	.4241	.5625	1.0000
RP10/A	.2526	.3338	.3768	.4048	.4250	.4420	.4688	.5054	.5664	.6124	.6975	.9328	1.5578
RP25/A	.3154	.4187	.4743	.5095	.5318	.5496	.5766	.6200	.6950	.7485	.8407	1.1268	1.8593
RP50/A	.3618	.4776	.5484	.5869	.6163	.6281	.6597	.7027	.7877	.8407	.9428	1.2647	2.0753
RP100/A	.4076	.5374	.6176	.6634	.6875	.7050	.7381	.7829	.8778	.9326	1.0408	1.3974	2.2840
RP1600/A	.5570	.7314	.8494	.9124	.9376	.9529	.9890	1.0385	1.1645	1.2240	1.3463	1.8141	2.9442
RP10000/A	.7036	.9209	1.0771	1.1589	1.1819	1.1937	1.2313	1.2836	1.4395	1.5014	1.6392	2.2079	3.5729
PMP/A	1.0222	1.0270	1.0753	2.1217	2.2210	2.2991	2.4340	2.6013	2.9179	3.1193	3.4638	7.0547	7.5240

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	BWM	LATITUDE	LONGITUDE	COUNTY CODE			
208 1747 0	CHOLLAS RES	344	430	35	165	02W	S	32.733	117.050	90			
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.61	2.01	2.24	2.36	2.58	2.73	2.92	3.23	3.54	3.81	4.47	6.37	10.73
5	2.46	3.11	3.51	3.70	4.02	4.23	4.51	4.93	5.42	5.75	6.91	9.51	15.20
10	3.05	3.87	4.40	4.64	5.02	5.25	5.57	6.05	6.64	7.00	8.33	11.49	18.07
20	3.63	4.60	5.26	5.55	5.98	6.22	6.58	7.09	7.79	8.16	9.64	13.32	20.74
25	3.81	4.83	5.54	5.84	6.28	6.53	6.89	7.42	8.15	8.52	10.04	13.68	21.57
40	4.19	5.31	6.11	6.44	6.91	7.16	7.54	8.09	8.90	9.29	10.88	15.04	21.98
50	4.37	5.54	6.38	6.73	7.21	7.46	7.85	8.41	9.24	9.61	11.26	15.58	24.08
100	4.93	6.23	7.21	7.60	8.12	8.37	8.78	9.37	10.30	10.67	12.43	17.22	26.50
200	5.48	6.92	8.03	8.47	9.02	9.27	9.69	10.31	11.33	11.69	13.57	18.86	28.66
1000	6.73	8.49	9.91	10.46	11.07	11.32	11.76	12.43	13.68	14.00	16.11	22.35	36.16
10000	8.51	10.68	12.57	13.26	13.96	14.16	14.64	15.36	16.89	17.17	19.58	27.20	41.45
PMP	15.50	20.04	23.05	24.32	26.23	27.30	28.95	31.13	34.23	35.67	41.62	57.97	84.00
MEAN	1.843	2.296	2.584	2.726	2.950	3.092	3.264	3.586	3.937	4.189	5.067	6.930	11.602
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.584	1.647	1.596	1.400	1.239	1.155	1.142	.889	.673	.616	.647	.334	.780
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	6.298	5.310	6.248	5.818	5.431	5.381	5.588	4.652	3.680	3.331	3.540	2.372	3.408
N	41	41	41	41	41	41	41	41	41	41	41	41	41
RECORD YEAR	1937	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1937	1941
RECORD MAXIMUM	3.980	5.290	6.020	7.380	7.750	7.920	8.630	9.650	10.740	10.780	12.470	24.028	40.28
NORMALIZED MAX	2.873	2.864	3.308	3.461	3.516	3.442	3.553	3.317	2.940	2.775	2.769	1.920	2.732
CALC. COEF. VAR	.404	.455	.492	.493	.463	.454	.456	.426	.415	.394	.407	.416	.392
REGION. COEF. VAR	.404	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.404	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1588	.1979	.2227	.2350	.2543	.2665	.2830	.3091	.3393	.3610	.4367	.5974	1.0000
RP10/A	.2631	.3338	.3770	.3999	.4326	.4485	.4805	.5213	.5727	.6036	.7027	.9005	1.5578
RP25/A	.3286	.4167	.4771	.5033	.5413	.5625	.5939	.6395	.7028	.7347	.8658	1.1965	1.9305
RP50/A	.3770	.4775	.5487	.5798	.6212	.6429	.6763	.7248	.7965	.8265	.9707	1.3429	2.0753
RP100/A	.4247	.5374	.6212	.6553	.6997	.7216	.7566	.8076	.8876	.9193	1.0716	1.4839	2.2840
RP1600/A	.5803	.7314	.8534	.9013	.9543	.9753	1.0138	1.0712	1.1775	1.2063	1.3555	1.9243	2.9442
RP10000/A	.7331	.9209	1.0834	1.1429	1.2030	1.2218	1.2622	1.3240	1.4557	1.4797	1.6880	2.3445	3.5729
PMP/A	1.3359	1.7260	1.9869	2.0960	2.2606	2.3553	2.4951	2.6831	2.9506	3.0741	3.5875	7.2400	7.5240

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

STATION NO. BSN ORDER SUB		STATION NAME	PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										LATITUDE	LONGITUDE	COUNTY CODE
208	4735		ELEV	SEC	TWP	RNG	LOT	8WN	S	32.767	117.017	90			
		LA MESA	526	19	165	01W									
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS															
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.75	2.19	2.36	2.49	2.74	2.90	3.11	3.34	3.66	4.07	4.74	6.40	11.42		
5	2.47	3.39	3.69	3.91	4.28	4.49	4.80	5.11	5.59	6.14	7.05	9.84	14.17		
10	3.32	4.22	4.63	4.90	5.34	5.58	5.93	6.26	6.86	7.47	8.50	11.90	19.23		
20	3.95	5.01	5.54	5.87	6.36	6.61	6.99	7.35	8.04	8.71	9.83	13.79	22.07		
25	4.15	5.26	5.83	6.17	6.68	6.93	7.32	7.69	8.42	9.09	10.24	14.37	22.94		
40	4.54	5.76	6.43	6.81	7.35	7.61	8.02	8.28	9.16	9.28	11.09	15.97	23.39		
50	4.76	6.03	6.72	7.11	7.66	7.92	8.34	8.71	9.54	10.26	11.49	16.13	25.62		
100	5.36	6.79	7.59	8.03	8.63	8.89	9.33	9.70	10.63	11.38	12.68	17.43	28.20		
200	6.00	7.53	8.46	8.95	9.59	9.85	10.30	10.68	11.69	12.47	13.84	19.47	30.71		
1000	7.33	9.24	10.44	11.03	11.77	12.02	12.50	12.87	14.10	14.93	16.43	23.14	36.35		
PMP	9.26	11.63	13.24	14.01	14.84	15.06	15.57	15.91	17.43	18.32	19.97	28.16	44.11		
	16.87	21.01	24.28	25.70	27.09	29.00	30.77	32.24	35.33	38.08	42.45	60.03	89.38		
MEAN	2.006	2.499	2.722	2.881	3.138	3.265	3.491	3.713	4.063	4.469	5.167	7.176	12.346		
CLOCK HR. COR.	1.140	1.670	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
CALCULATED SKEW	1.553	1.441	1.002	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
REGIONAL SKEW	1.500	1.500	1.400	1.400	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000		
SKEW USED	1.600	1.500	1.400	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000		
KURTOSIS	5.777	4.940	3.040	2.710	2.429	2.437	2.617	3.039	3.209	2.661	2.954	2.903	3.363		
N	40	40	40	40	40	40	40	40	40	40	40	40	40		
RECORD YEAR	1937	1965	1965	1965	1938	1938	1966	1966	1966	1966	1966	1966	1966		
RECORD MAXIMUM	4.008	5.380	5.410	5.410	5.259	5.856	6.551	7.230	7.820	7.482	10.020	13.420	23.700		
NORMALIZED MAX	2.227	2.791	2.484	2.243	2.149	2.277	2.327	2.623	2.541	2.099	2.508	2.208	2.631		
CALC. COEF. VAR	.410	.413	.397	.391	.376	.356	.374	.361	.364	.357	.374	.407	.351		
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416		
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416		
MEAN/A	1.624	2.024	2.205	2.333	2.541	2.660	2.827	3.009	3.291	3.620	4.186	5.812	1.0000		
RP10/A	1.314	1.541	1.524	1.510	1.510	1.510	1.510	1.510	1.510	1.510	1.510	1.510	1.510		
RP25/A	1.262	1.424	1.498	1.510	1.505	1.505	1.503	1.503	1.503	1.503	1.503	1.503	1.503		
RP50/A	1.353	1.484	1.542	1.558	1.560	1.561	1.556	1.554	1.554	1.554	1.554	1.554	1.554		
RP100/A	1.433	1.546	1.610	1.657	1.693	1.703	1.756	1.786	1.800	1.813	1.821	1.843	1.843		
RP1000/A	1.748	1.841	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856		
RP10000/A	1.747	1.941	1.0726	1.1349	1.2023	1.2196	1.2609	1.2687	1.4119	1.4837	1.6179	2.2812	3.5729		
PMP/A	1.3662	1.7663	1.9670	2.0814	2.2593	2.3492	2.4924	2.6116	2.8619	3.0825	3.4385	4.8620	7.2400		

STATION NO. BSN ORDER SUB		STATION NAME	PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										LATITUDE	LONGITUDE	COUNTY CODE
208	6088		ELEV	SEC	TWP	RNG	LOT	8WN	S	32.668	117.112	90			
		NATIONAL CITY	352	15											
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS															
RETURN PERIOD IN YEARS		10	20	30	40	50	60	80	100	150	200	300	600	3650	
2	1.34	1.59	1.73	1.89	2.07	2.17	2.32	2.54	2.72	2.90	3.47	4.48	7.68		
5	2.04	2.47	2.72	2.97	3.24	3.37	3.58	3.88	4.16	4.38	5.14	6.99	10.87		
10	2.54	3.07	3.41	3.72	4.04	4.18	4.42	4.75	5.10	5.33	6.20	8.44	12.93		
20	3.02	3.65	4.08	4.44	4.81	4.96	5.22	5.57	5.99	6.21	7.17	9.79	14.84		
25	3.17	3.83	4.29	4.69	5.05	5.20	5.47	5.83	6.26	6.48	7.47	10.20	15.43		
40	3.49	4.21	4.74	5.17	5.56	5.71	5.98	6.33	6.83	7.02	8.09	11.05	15.72		
50	3.64	4.39	4.95	5.40	5.80	5.94	6.22	6.61	7.10	7.31	8.38	11.45	17.22		
100	4.10	4.94	5.59	6.10	6.53	6.67	6.96	7.36	7.91	8.11	9.25	12.65	18.96		
200	4.56	5.48	6.23	6.80	7.26	7.39	7.69	8.10	8.70	8.89	10.09	13.82	20.64		
1000	5.60	6.72	7.69	8.39	8.91	9.02	9.33	9.77	10.49	10.68	11.98	16.42	24.43		
10000	7.08	8.46	9.75	10.64	11.23	11.30	11.62	12.07	12.97	13.05	14.57	19.99	29.65		
PMP	12.90	15.87	17.88	19.52	21.11	21.76	22.98	24.46	26.30	27.13	30.96	42.40	60.09		
MEAN	1.533	1.819	2.004	2.188	2.374	2.464	2.605	2.819	3.024	3.186	3.749	5.093	8.299		
CLOCK HR. COR.	1.140	1.071	1.010	1.030	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
CALCULATED SKEW	2.118	1.363	1.363	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364	1.364		
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000		
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000		
KURTOSIS	14.377	9.501	5.835	4.766	3.614	3.293	3.294	3.749	3.290	3.438	3.483	2.636	3.945		
N	30	32	35	33	33	33	34	34	34	34	34	34	34		
RECORD YEAR	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1937	1966	1966		
RECORD MAXIMUM	4.340	4.950	4.950	4.950	4.950	4.950	5.100	6.100	6.00	6.320	7.690	9.730	18.130		
NORMALIZED MAX	3.350	3.309	3.099	2.927	2.643	2.483	2.331	2.058	2.358	2.486	2.547	2.102	2.705		
CALC. COEF. VAR	.552	.450	.474	.431	.410	.406	.411	.438	.431	.395	.408	.433	.446		
REGR. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416		
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416		
MEAN/A	1.447	2.192	2.415	2.637	2.861	2.969	3.139	3.396	3.644	3.839	4.541	6.136	1.0000		
RP10/A	1.060	1.297	1.409	1.487	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567	1.567		
RP25/A	1.3821	1.615	1.572	1.568	1.569	1.569	1.569	1.569	1.569	1.569	1.569	1.569	1.569		
RP50/A	1.4384	1.589	1.598	1.607	1.607	1.607	1.607	1.607	1.607	1.607	1.607	1.607	1.607		
RP100/A	1.5954	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.734	1.734		
RP1000/A	1.6749	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100	1.8100		
RP10000/A	1.8526	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199	1.9199		
PMP/A	1.5537	1.9126	2.1538	2.3520	2.5434	2.6219	2.7668	2.9478	3.1686	3.2686	3.7306	5.1330	7.2400		

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 208 7740 0	STATION NAME SAN DIEGO AP	ELEV 487	SEC 19	TWP 32-733	RNG LOT 117-167	8MM 32-733	1000 117-167	COUNTY CODE 90					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.47	1.79	1.96	2.08	2.26	2.41	2.63	2.88	3.21	3.49	4.14	5.53	9.34
5	2.24	2.78	3.07	3.27	3.52	3.74	4.06	4.39	4.91	5.27	6.14	8.25	13.23
10	2.79	3.45	3.85	4.10	4.39	4.64	5.01	5.39	6.03	6.42	7.40	9.96	15.73
20	3.31	4.11	4.60	4.90	5.23	5.50	5.91	6.32	7.07	7.48	8.56	11.56	18.05
25	3.48	4.31	4.84	5.16	5.50	5.77	6.18	6.61	7.40	7.82	8.92	12.05	18.77
40	3.83	4.74	5.34	5.69	6.05	6.33	6.77	7.21	8.07	8.49	9.65	13.05	19.13
50	3.98	4.94	5.51	5.94	6.31	6.59	7.05	7.49	8.38	8.81	10.00	13.52	20.95
100	4.50	5.56	6.30	6.72	7.10	7.41	7.89	8.35	9.34	9.78	11.03	14.94	23.06
200	5.00	6.17	7.02	7.48	7.89	8.20	8.71	9.18	10.28	10.72	12.04	16.32	25.12
1000	6.14	7.57	8.67	9.24	9.69	10.07	10.57	11.07	12.39	12.83	14.30	19.40	29.73
10000	7.76	9.53	10.99	11.71	12.21	12.54	13.16	13.69	15.32	15.74	17.38	23.61	36.08
PMP	14.14	17.87	20.15	21.48	22.95	24.15	26.01	27.74	31.05	32.70	36.94	50.32	73.10
MEAN	1.682	2.048	2.259	2.408	2.582	2.735	2.950	3.196	3.571	3.841	4.497	6.016	10.097
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	.945	.820	1.009	1.043	1.038	.922	.916	1.059	1.016	1.125	1.162	1.222	2.256
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.200	1.100	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.200	1.100	1.000	1.100
KURTOSIS	3.724	3.217	3.821	4.068	3.840	3.480	3.706	4.810	4.152	4.714	5.099	5.394	12.095
N	110	111	112	112	111	112	112	112	112	112	112	112	112
RECORD YEAR	1855	1926	1927	1944	1895	1895	1922	1922	1922	1922	1937	1937	1937
RECORD MAXIMUM	3.340	3.980	5.050	5.560	5.870	6.210	7.280	9.260	10.310	10.180	12.250	17.020	36.270
NORMALIZED MAX	2.561	2.485	3.032	3.038	2.948	2.866	3.292	3.446	3.553	3.530	3.780	5.394	5.867
CALC. COEF. VAR	.185	.180	.140	.124	.138	.144	.146	.150	.143	.143	.141	.141	.141
REGN. COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.491	.491	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.522	.521	.512	.513	.501	.491	.491	.491	.491
MEAN/A	.1668	.2028	.2238	.2385	.2557	.2709	.2922	.3165	.3537	.3804	.4453	.5958	1.0000
RP10/A	.2569	.3421	.3808	.4059	.4350	.4599	.4960	.5307	.5969	.6359	.7325	.9879	1.5878
RP25/A	.3445	.4267	.4793	.5043	.5343	.5577	.5931	.6267	.7024	.7440	.8629	1.1933	1.8693
RP50/A	.3953	.4893	.5522	.5885	.6246	.6534	.6981	.7420	.8301	.8729	.9899	1.3394	2.0753
RP100/A	.4454	.5507	.6241	.6651	.7036	.7334	.7809	.8268	.9250	.9688	1.0928	1.4800	2.2840
RP1000/A	.6085	.7494	.8583	.9148	.9596	.9913	1.0405	1.0967	1.2272	1.2709	1.4100	1.9213	2.9442
RP10000/A	.7688	.9426	1.0884	1.1571	1.2116	1.2509	1.3550	1.5170	1.5589	1.7214	2.3384	3.5729	5.4000
PMP/A	1.4009	1.7695	1.9600	2.1274	2.2731	2.3916	2.5754	2.7470	3.0750	3.2388	3.6585	4.9838	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. 85N ORDER SUB 209 1758 0	STATION NAME CHULA VISTA	ELEV 9	SEC 19	TWP 32-600	RNG LOT 117-100	8MM 32-600	1000 117-100	COUNTY CODE 90					
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.44	1.79	1.93	2.04	2.18	2.33	2.53	2.72	3.05	3.32	3.92	5.35	9.11
5	2.20	2.77	3.03	3.19	3.41	3.62	3.90	4.16	4.66	5.01	5.81	7.99	12.89
10	2.73	3.44	3.80	4.01	4.25	4.44	4.82	5.10	5.71	6.10	7.00	9.65	15.33
20	3.24	4.09	4.54	4.79	5.07	5.32	5.68	5.96	6.70	7.11	8.10	11.19	17.60
25	3.41	4.30	4.78	5.04	5.32	5.58	5.95	6.26	7.01	7.42	8.44	11.66	18.30
40	3.75	4.72	5.27	5.56	5.86	6.13	6.51	6.82	7.65	7.88	9.14	12.63	18.64
50	3.91	4.92	5.50	5.81	6.11	6.38	6.78	7.09	7.94	8.37	9.47	13.09	20.43
100	4.41	5.54	6.22	6.57	6.88	7.16	7.66	7.90	8.85	9.29	10.45	14.46	22.48
200	4.90	6.15	6.93	7.32	7.64	7.93	8.57	8.69	9.74	10.18	11.41	15.79	24.48
1000	6.02	7.54	8.56	9.03	9.38	9.68	10.14	10.48	11.74	12.19	13.54	18.77	28.98
10000	7.60	9.49	10.85	11.45	11.83	12.13	12.65	12.95	14.52	14.95	16.46	22.65	35.17
PMP	13.86	17.81	19.90	21.00	22.23	23.36	25.00	26.25	29.43	31.06	34.99	48.69	71.26
MEAN	1.648	2.041	2.230	2.355	2.500	2.646	2.836	3.024	3.385	3.648	4.254	5.821	9.842
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.121	1.232	1.070	1.050	.960	.967	1.207	1.225	1.116	1.022	.817	.620	1.136
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.200	1.100	1.000	1.100
KURTOSIS	4.269	4.223	3.893	4.080	4.127	4.059	4.886	4.934	4.768	4.614	3.672	3.437	5.742
N	50	50	50	50	50	50	50	50	50	50	50	50	50
RECORD YEAR	1941	1941	1927	1927	1927	1927	1922	1922	1922	1922	1922	1941	1941
RECORD MAXIMUM	3.460	4.660	4.980	5.580	5.990	6.430	7.350	8.260	8.810	9.310	9.390	13.600	25.960
NORMALIZED MAX	2.404	2.692	2.578	2.841	2.938	2.938	3.046	3.342	3.308	3.361	2.690	2.878	3.777
CALC. COEF. VAR	.492	.492	.479	.482	.475	.487	.522	.518	.485	.462	.448	.464	.434
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.491
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.491	.491	.491
MEAN/A	.1674	.2073	.2266	.2392	.2540	.2688	.2882	.3072	.3439	.3706	.4327	.5914	1.0000
RP10/A	.2773	.3497	.3856	.4071	.4322	.4531	.4892	.5181	.5804	.6196	.7117	.9807	1.5678
RP25/A	.3463	.4365	.4854	.5124	.5407	.5673	.6047	.6356	.7121	.7542	.8579	1.1846	1.8593
RP50/A	.3973	.5003	.5592	.5903	.6206	.6484	.6885	.7204	.8072	.8506	.9618	1.3296	2.0753
RP100/A	.4476	.5629	.6320	.6672	.6940	.7278	.7763	.8067	.8995	.9477	1.0818	1.4101	2.2400
RP1000/A	.6116	.7662	.8692	.9176	.9633	.9937	1.0322	1.0647	1.1933	1.2384	1.3758	1.9072	2.8442
RP10000/A	.7726	.9647	1.1022	1.1636	1.2017	1.2323	1.2851	1.3160	1.4751	1.5190	1.6726	2.3232	3.5729
PMP/A	1.4080	1.8090	2.0214	2.1339	2.2582	2.3735	2.5403	2.6669	2.9900	3.1558	3.5548	4.9472	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER 549 209 2406 0	STATION NAME DESCANSO RS	ELEV 3500	SEC 24	TWP 15S	RNG LOT 03E G	8MM 5	LATITUDE 32.856	LONGITUDE 116.623	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D=DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.61	3.41	3.74	4.08	4.38	4.60	4.86	5.40	6.10	6.77	8.12	11.02	19.85
5	3.98	5.27	5.86	6.40	6.84	7.12	7.51	8.25	9.32	10.22	12.03	16.44	28.10
10	4.95	6.56	7.35	8.02	8.53	8.84	9.27	10.12	11.43	12.45	14.50	19.87	33.42
20	5.88	7.80	8.86	9.40	10.16	10.48	10.94	11.86	13.41	14.51	16.77	23.03	38.35
25	6.18	8.19	9.25	10.10	10.68	10.99	11.46	12.41	14.03	15.15	17.48	24.00	39.89
50	6.80	9.00	10.21	11.14	11.75	12.06	12.55	13.54	15.30	15.46	18.92	26.01	40.64
100	7.09	9.36	10.56	11.53	12.26	12.56	13.05	14.07	15.90	17.09	19.59	26.94	44.52
200	7.45	10.56	12.05	13.15	13.80	14.10	14.60	15.67	17.72	18.96	21.63	29.77	49.00
1000	8.87	11.72	13.42	14.65	15.33	15.61	16.12	17.24	19.49	20.78	23.61	32.51	53.36
10000	10.91	14.37	16.57	18.08	18.83	19.06	19.57	20.79	23.51	24.88	28.03	38.64	63.16
PMP	25.12	33.93	38.54	42.06	44.60	45.98	48.16	52.07	58.90	63.39	72.02	100.24	155.31
MEAN	2.987	3.889	4.320	4.715	5.017	5.268	5.463	5.999	6.774	7.445	8.815	11.983	21.452
CLOCK NR. COR.	1.140	1.078	1.084	1.070	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	2.136	2.023	2.257	2.340	2.342	2.174	1.785	1.261	1.223	.956	.838	1.126	1.706
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	8.988	8.260	10.306	10.470	10.254	9.555	7.707	5.039	4.359	3.753	3.389	5.165	3.753
N	26	26	26	26	26	26	26	26	26	26	26	26	26
RECORD YEAR	1965	1967	1967	1967	1967	1967	1967	1967	1967	1967	1969	1969	1952
RECORD MAXIMUM	6.850	9.320	11.870	13.570	13.910	13.910	13.910	13.910	14.560	16.840	26.410	42.940	
NORMALIZED MAX	2.827	2.973	3.502	3.651	3.682	3.609	3.437	2.976	2.518	2.414	2.309	2.974	
CALC. COEF. VAR	.458	.470	.409	.514	.481	.463	.450	.443	.418	.396	.394	.405	.387
REGN. COEF. VAR	.494	.515	.528	.528	.522	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1392	.1813	.2014	.2198	.2339	.2428	.2547	.2796	.3158	.3470	.4109	.5586	1.0000
RP10/A	.2306	.3057	.3427	.3740	.3979	.4122	.4324	.4716	.5329	.5802	.6759	.9263	1.5578
RP25/A	.2880	.3816	.4314	.4708	.4978	.5124	.5344	.5785	.6539	.7052	.8147	1.1189	1.8593
RP50/A	.3304	.4374	.4970	.5424	.5713	.5856	.6085	.6545	.7412	.7945	.9134	1.2559	2.0753
RP100/A	.3723	.4922	.5617	.6130	.6435	.6573	.6808	.7306	.8280	.8837	1.0084	1.3877	2.2840
RP1000/A	.5087	.6699	.7725	.8431	.8776	.8884	.9222	.9690	1.0958	1.1596	1.3065	1.8015	2.9442
RP10000/A	.6426	.8843	.9796	1.0606	1.1063	1.1129	1.1357	1.1978	1.3545	1.4224	1.5883	2.1925	3.5729
PMP/A	1.1710	1.5816	1.7965	1.9605	2.0790	2.1436	2.2451	2.4273	2.7457	2.9551	3.3758	4.6729	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER 549 209 5154 0	STATION NAME LOVELAND RES	ELEV 350	SEC 1400	TWP 17	RNG LOT 16S 02E	8MM 5	LATITUDE 32.781	LONGITUDE 116.800	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H=HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.78	2.39	2.63	2.79	3.01	3.13	3.32	3.70	4.11	4.49	5.41	7.09	13.03
5	2.72	3.68	4.12	4.38	4.69	4.85	5.13	5.86	6.28	6.77	8.01	10.59	18.44
10	3.38	4.60	5.17	5.49	5.86	6.02	6.33	6.94	7.70	8.24	9.65	12.79	21.93
20	4.02	5.46	6.18	6.57	6.98	7.14	7.47	8.14	9.03	9.61	11.17	14.83	25.17
25	4.22	5.74	6.50	6.92	7.33	7.49	7.83	8.51	9.45	10.03	11.63	15.45	26.18
40	4.64	6.31	7.17	7.63	8.07	8.22	8.57	9.29	10.31	10.94	12.60	16.75	26.67
50	4.84	6.58	7.49	7.97	8.41	8.56	8.91	9.65	10.71	11.34	13.04	17.35	26.22
100	5.45	7.40	8.47	9.00	9.48	9.61	9.97	10.75	11.94	12.55	14.40	19.17	32.15
200	6.06	8.21	9.43	10.03	10.53	10.64	11.01	11.83	13.13	13.76	15.72	20.93	35.02
1000	7.45	10.07	11.64	12.38	12.92	12.98	13.36	14.26	15.83	16.47	18.66	24.88	41.45
10000	9.42	12.68	14.76	15.70	16.29	16.27	16.64	17.62	19.57	20.21	22.68	30.28	50.30
PMP	17.16	23.78	27.08	28.80	30.61	31.33	32.88	35.71	39.67	41.98	48.21	64.54	101.92
MEAN	2.040	2.725	3.035	3.228	3.444	3.548	3.730	4.115	4.563	4.930	5.889	7.716	14.078
CLOCK NR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.011	1.473	1.882	1.870	1.620	1.479	1.145	.960	.625	.529	.379	.338	.763
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.100
KURTOSIS	3.429	5.955	8.395	8.293	6.874	6.506	5.088	3.947	2.911	2.540	2.400	2.572	3.805
N	24	24	24	24	24	24	24	24	24	24	24	24	24
RECORD YEAR	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
RECORD MAXIMUM	3.300	6.010	8.010	8.710	8.730	8.730	8.730	8.760	8.800	10.440	12.820	26.020	26.020
NORMALIZED MAX	2.754	3.254	3.349	3.197	3.151	3.060	2.842	2.186	2.054	1.922	1.924	1.924	2.550
CALC. COEF. VAR	.370	.438	.504	.507	.480	.463	.455	.441	.421	.382	.382	.344	.333
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1449	.1936	.2156	.2293	.2446	.2520	.2650	.2923	.3241	.3502	.4169	.5481	1.0000
RP10/A	.2401	.3265	.3669	.3902	.4162	.4279	.4498	.4929	.5476	.5855	.6856	.9088	1.6578
RP25/A	.2908	.4075	.4519	.4807	.5077	.5197	.5406	.5947	.6512	.6925	.8055	1.059	1.9500
RP50/A	.3439	.4671	.5321	.5659	.5976	.6080	.6331	.6853	.7608	.8037	.9206	1.2322	2.0753
RP100/A	.3875	.5256	.6013	.6395	.6731	.6824	.7083	.7636	.8478	.8917	1.0230	1.3615	2.2840
RP1000/A	.5294	.7154	.8271	.8796	.9180	.9223	.9491	1.0128	1.1247	1.1701	1.3254	1.7674	2.9442
RP10000/A	.6688	.9007	1.0688	1.1154	1.1572	1.1612	1.1817	1.2519	1.3903	1.4353	1.6113	2.1511	3.5729
PMP/A	1.2187	1.6891	1.9233	2.0455	2.1746	2.2254	2.3358	2.5169	2.8182	2.9819	3.4246	4.5847	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
209 8726 1	SWEETWATER RES	359	300	17	175	01W	5	32.492	117.008	90
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	1.49	1.88	2.05	2.19	2.34	2.48	2.72	2.97	3.40	3.68
5	2.27	2.91	3.22	3.44	3.65	3.85	4.20	4.54	5.19	5.56
10	2.81	3.63	4.03	4.31	4.56	4.77	5.19	5.57	6.37	6.77
20	3.35	4.31	4.83	5.16	5.43	5.65	6.13	6.53	7.47	7.91
25	3.50	4.53	5.03	5.36	5.63	5.85	6.33	6.73	7.67	8.11
40	3.87	4.98	5.50	5.89	6.27	6.51	7.02	7.46	8.53	8.91
50	4.03	5.19	5.85	6.25	6.54	6.78	7.31	7.75	8.86	9.29
100	4.54	5.84	6.61	7.05	7.37	7.61	8.17	8.63	9.87	10.31
200	5.05	6.48	7.36	7.87	8.19	8.43	9.03	9.50	10.86	11.30
1000	6.21	7.94	9.09	9.72	10.05	10.29	10.95	11.45	13.09	13.53
10000	7.84	10.00	11.53	12.32	12.67	12.89	13.64	14.15	16.19	16.59
PMP	14.29	18.76	21.14	22.60	23.81	24.82	26.96	28.68	32.81	34.47
MEAN	1.699	2.150	2.370	2.533	2.678	2.811	3.058	3.304	3.773	4.048
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.755	1.542	1.349	1.223	1.104	1.000	1.000	1.000	1.000	1.000
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
211 514 0	BARRETT DAM	163	1623	22	175	03E	5	32.683	116.667	90
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.06	2.73	2.99	3.25	3.56	3.80	4.21	4.57	5.10	5.73
5	3.15	4.23	4.69	5.09	5.56	5.89	6.49	6.98	7.80	8.64
10	3.91	5.26	5.88	6.38	6.94	7.31	8.02	8.56	9.56	10.52
20	4.64	6.25	7.03	7.63	8.28	8.66	9.46	10.05	11.22	12.26
25	4.88	6.56	7.40	8.03	8.68	9.08	9.91	10.51	11.73	12.80
40	5.37	7.21	8.16	8.86	9.55	9.97	10.85	11.48	12.80	13.07
50	5.60	7.52	8.53	9.25	9.96	10.38	11.29	11.91	13.30	14.44
100	6.31	8.46	9.63	10.46	11.22	11.65	12.63	13.27	14.82	16.02
200	7.01	9.39	10.73	11.65	12.47	12.90	13.94	14.60	16.31	17.56
1000	8.62	11.52	13.25	14.38	15.31	15.75	16.92	17.60	19.66	21.03
10000	10.88	14.50	16.80	18.24	19.29	19.73	21.06	21.75	24.31	25.97
PMP	19.83	27.19	30.82	33.44	36.28	38.00	41.64	44.09	49.27	53.58
MEAN/A	2.358	3.117	3.455	3.749	4.079	4.304	4.724	5.079	5.666	6.293
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.877	2.019	2.098	2.200	2.265	2.360	2.518	2.347	1.708	1.666
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
211 514 0	BARRETT DAM	163	1623	22	175	03E	5	32.683	116.667	90
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.06	2.73	2.99	3.25	3.56	3.80	4.21	4.57	5.10	5.73
5	3.15	4.23	4.69	5.09	5.56	5.89	6.49	6.98	7.80	8.64
10	3.91	5.26	5.88	6.38	6.94	7.31	8.02	8.56	9.56	10.52
20	4.64	6.25	7.03	7.63	8.28	8.66	9.46	10.05	11.22	12.26
25	4.88	6.56	7.40	8.03	8.68	9.08	9.91	10.51	11.73	12.80
40	5.37	7.21	8.16	8.86	9.55	9.97	10.85	11.48	12.80	13.07
50	5.60	7.52	8.53	9.25	9.96	10.38	11.29	11.91	13.30	14.44
100	6.31	8.46	9.63	10.46	11.22	11.65	12.63	13.27	14.82	16.02
200	7.01	9.39	10.73	11.65	12.47	12.90	13.94	14.60	16.31	17.56
1000	8.62	11.52	13.25	14.38	15.31	15.75	16.92	17.60	19.66	21.03
10000	10.88	14.50	16.80	18.24	19.29	19.73	21.06	21.75	24.31	25.97
PMP	19.83	27.19	30.82	33.44	36.28	38.00	41.64	44.09	49.27	53.58
MEAN/A	2.358	3.117	3.455	3.749	4.079	4.304	4.724	5.079	5.666	6.293
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.877	2.019	2.098	2.200	2.265	2.360	2.518	2.347	1.708	1.666
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE										
STATION NO. BSN ORDER SUB	STATION NAME	ELEV	SEC	TWP	RNG	LOT	RMM	LATITUDE	LONGITUDE	COUNTY CODE
211 514 0	BARRETT DAM	163	1623	22	175	03E	5	32.683	116.667	90
MAXIMUM PRECIPITATION FOR INDICATED DURATION D-DAYS H-HOURS										
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200
2	2.06	2.73	2.99	3.25	3.56	3.80	4.21	4.57	5.10	5.73
5	3.15	4.23	4.69	5.09	5.56	5.89	6.49	6.98	7.80	8.64
10	3.91	5.26	5.88	6.38	6.94	7.31	8.02	8.56	9.56	10.52
20	4.64	6.25	7.03	7.63	8.28	8.66	9.46	10.05	11.22	12.26
25	4.88	6.56	7.40	8.03	8.68	9.08	9.91	10.51	11.73	12.80
40	5.37	7.21	8.16	8.86	9.55	9.97	10.85	11.48	12.80	13.07
50	5.60	7.52	8.53	9.25	9.96	10.38	11.29	11.91	13.30	14.44
100	6.31	8.46	9.63	10.46	11.22	11.65	12.63	13.27	14.82	16.02
200	7.01	9.39	10.73	11.65	12.47	12.90	13.94	14.60	16.31	17.56
1000	8.62	11.52	13.25	14.38	15.31	15.75	16.92	17.60	19.66	21.03
10000	10.88	14.50	16.80	18.24	19.29	19.73	21.06	21.75	24.31	25.97
PMP	19.83	27.19	30.82	33.44	36.28	38.00	41.64	44.09	49.27	53.58
MEAN/A	2.358	3.117	3.455	3.749	4.079	4.304	4.724	5.079	5.666	6.293
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.877	2.019	2.098	2.200	2.265	2.360	2.518	2.347	1.708	1.666
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.000	1.000

PEARSON TYPE III DISTRIBUTION USED
PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
WHERE N IS SMALL RESULTS ARE NOT DEROGABLE

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 211 1424 0	STATION NAME CAMPO	ELEV 167	SEC 2630	TWP 167	RNG LOT 2630	RWM 167	LATITUDE 32.617	LONGITUDE 116.447	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	1.82	2.48	2.73	2.99	3.25	3.49	3.75	4.03	4.59	4.92	5.81	7.99	14.38
5	2.78	3.83	4.28	4.68	5.07	5.41	5.79	6.16	7.02	7.43	8.60	11.92	20.37
10	3.45	4.77	5.36	5.87	6.33	6.71	7.16	7.56	8.61	9.04	10.37	14.41	24.22
20	4.10	5.67	6.42	7.03	7.54	7.96	8.44	8.86	10.10	10.54	11.99	16.69	27.79
25	4.31	5.95	6.75	7.39	7.92	8.35	8.85	9.27	10.55	11.01	12.49	17.40	28.91
40	4.74	6.54	7.45	8.16	8.71	9.16	9.68	10.11	11.52	12.03	13.53	18.88	29.45
50	4.95	6.82	7.78	8.52	9.09	9.54	10.07	10.51	11.97	12.41	14.01	19.53	32.26
100	5.57	7.67	8.79	9.63	10.23	10.71	11.27	11.71	13.34	13.77	15.47	21.58	35.51
200	6.19	8.52	9.79	10.72	11.37	11.86	12.44	12.88	14.68	15.10	16.88	23.57	38.67
1000	7.61	10.44	12.09	13.24	13.96	14.47	15.10	15.53	17.70	18.07	20.04	28.02	45.77
10000	9.62	13.15	15.33	16.79	17.59	18.13	18.80	19.20	21.88	22.17	24.36	34.10	55.54
PMP	17.53	24.66	28.11	30.79	33.06	34.92	37.16	38.96	44.35	46.05	51.77	72.68	117.55
MEAN	2.084	2.826	3.151	3.452	3.719	3.955	4.215	4.482	5.100	5.408	6.302	8.688	15.546
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.828	1.770	1.753	1.736	1.713	1.695	1.657	1.624	1.620	1.645	1.601	1.072	1.090
REGIONAL SKEW	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.200	1.200	1.100	1.000	1.100
SKEW USED	1.600	1.500	1.400	1.300	1.200	1.100	1.000	1.000	1.200	1.200	1.100	1.000	1.100
KURTOSIS	6.784	6.751	6.972	8.177	8.479	9.151	7.552	6.587	14.503	13.656	10.645	5.315	3.368
N	51	51	51	51	51	51	51	51	51	51	51	51	51
RECORD YEAR	1916	1966	1967	1916	1916	1916	1916	1916	1916	1916	1916	1916	1916
RECORD MAXIMUM	4.750	7.320	8.360	10.500	11.700	12.930	12.930	19.660	26.140	20.960	23.840	30.780	36.790
NORMALIZED MAX	2.726	2.979	3.141	3.702	4.008	4.317	4.056	3.914	5.014	4.460	3.914	2.882	2.882
CALC. COEF. VAR	.469	.534	.526	.552	.535	.530	.484	.484	.552	.505	.471	.366	.366
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1341	.1818	.2027	.2220	.2392	.2544	.2711	.2883	.3281	.3479	.4054	.5589	1.0000
RP10/A	.2221	.3086	.3450	.3778	.4070	.4319	.4603	.4881	.5537	.5816	.6868	.9267	1.4578
RP25/A	.2712	.3827	.4342	.4737	.5068	.5365	.5680	.5965	.6799	.7079	.8037	1.1194	1.8593
RP50/A	.3182	.4386	.5002	.5479	.5844	.6137	.6479	.6759	.7791	.7994	.9011	1.2564	2.0753
RP100/A	.3584	.4936	.5653	.6192	.6583	.6888	.7248	.7532	.8581	.8859	.9948	1.3882	2.2840
RP1000/A	.4898	.6717	.7776	.8517	.8978	.9310	.9712	.9990	1.1384	1.1625	1.2890	1.8022	2.9442
RP10000/A	.6187	.8458	.9860	1.1318	1.1818	1.2091	1.2348	1.2603	1.4073	1.4259	1.5670	2.1934	3.5729
PMP/A	1.1275	1.5861	1.8082	1.9806	2.1268	2.2463	2.3902	2.5023	2.8526	2.9623	3.3303	4.6748	7.2400

PRECIPITATION DEPTH-DURATION-FREQUENCY TABLE

STATION NO. BSN ORDER SUB 211 7100 1	STATION NAME POTRERO	ELEV 354	SEC 2390	TWP 07	RNG LOT 185 04E	RWM S	LATITUDE 32.631	LONGITUDE 116.620	COUNTY CODE 90				
MAXIMUM PRECIPITATION FOR INDICATED DURATION 0-DAYS H-HOURS													
RETURN PERIOD IN YEARS	10	20	30	40	50	60	80	100	150	200	300	600	3650
2	2.41	3.10	3.39	3.66	3.96	4.24	4.57	4.96	5.56	6.08	6.95	9.60	16.75
5	3.68	4.79	5.31	5.73	6.17	6.57	7.06	7.58	8.49	9.18	10.29	14.33	23.71
10	4.57	5.96	6.66	7.19	7.71	8.15	8.71	9.30	10.42	11.17	12.41	17.32	28.20
20	5.44	7.08	7.97	8.61	9.18	9.66	10.28	10.97	12.22	13.02	14.36	20.07	32.36
25	5.71	7.43	8.38	9.05	9.64	10.13	10.77	11.41	12.79	13.59	14.96	20.92	33.66
40	6.28	8.17	9.25	9.99	10.61	11.12	11.79	12.44	13.95	14.88	16.20	22.67	34.29
50	6.55	8.52	9.66	10.43	11.07	11.58	12.26	12.93	14.49	15.33	16.77	23.48	37.57
100	7.38	9.59	10.92	11.79	12.46	13.02	13.72	14.40	16.15	17.01	18.51	25.94	41.34
200	8.20	10.64	12.16	13.13	13.85	14.39	15.15	15.85	17.77	18.65	20.21	28.33	45.02
1000	10.08	13.05	15.01	16.21	17.00	17.56	18.39	19.10	21.42	22.32	23.99	33.68	53.29
10000	12.74	16.43	19.04	20.56	21.43	22.00	22.89	23.61	26.48	27.38	29.16	40.99	64.68
PMP	23.21	30.91	34.91	37.70	40.27	42.38	45.25	47.85	53.68	56.88	61.98	87.36	131.06
MEAN	2.760	3.532	3.914	4.227	4.530	4.800	5.133	5.513	6.174	6.680	7.545	10.444	18.102
CLOCK HR. COR.	1.140	1.070	1.040	1.020	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CALCULATED SKEW	1.738	1.616	1.616	1.636	1.637	1.637	1.637	1.637	1.637	1.637	1.637	1.637	1.637
REGIONAL SKEW	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
SKEW USED	1.600	1.500	1.600	1.600	1.500	1.400	1.300	1.200	1.200	1.100	1.000	1.000	1.000
KURTOSIS	5.677	5.883	10.373	12.034	10.813	10.360	9.619	8.261	6.193	5.704	4.818	4.028	4.041
N	47	47	47	47	47	47	47	47	47	47	47	47	47
RECORD YEAR	1941	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927	1927
RECORD MAXIMUM	6.340	9.450	12.550	14.650	15.360	16.320	17.450	17.450	17.610	17.610	18.450	24.720	34.340
NORMALIZED MAX	2.377	3.208	4.198	4.526	4.461	4.405	4.337	4.093	3.699	3.541	3.325	3.079	2.527
CALC. COEF. VAR	.546	.522	.526	.545	.536	.545	.553	.529	.501	.462	.435	.444	.355
REGN. COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
USED COEF. VAR	.494	.515	.528	.528	.526	.522	.521	.512	.513	.501	.481	.491	.416
MEAN/A	.1525	.1951	.2162	.2335	.2502	.2651	.2836	.3045	.3411	.3690	.4168	.5770	1.0000
RP10/A	.2526	.3291	.3680	.3974	.4257	.4502	.4814	.5136	.5756	.6170	.6855	.9567	1.5578
RP25/A	.3154	.4107	.4632	.5002	.5327	.5596	.5951	.6301	.7063	.7510	.8263	1.1556	1.8593
RP50/A	.3618	.4707	.5336	.5762	.6113	.6396	.6775	.7141	.8006	.8470	.9264	1.2971	2.0753
RP100/A	.4377	.5297	.6030	.6512	.6886	.7179	.7580	.7956	.8921	.9397	1.0228	1.4332	2.2416
RP1000/A	.5570	.7210	.8294	.8957	9.291	.9703	1.0157	1.0593	1.1835	1.2331	1.3252	1.8005	2.9442
RP10000/A	.7037	.9078	1.0518	1.1358	1.1838	1.2155	1.2646	1.3044	1.4630	1.5126	1.6111	2.2644	3.5729
PMP/A	1.2823	1.7023	1.9288	2.0829	2.2246	2.3413	2.4997	2.6434	2.9655	3.1425	3.4241	4.8262	7.2400

PEARSON TYPE III DISTRIBUTION USED
 PROBABLE MAXIMUM PRECIPITATION ESTIMATE BASED ON 15 STANDARD DEVIATIONS
 WHERE N IS SMALL RESULTS ARE NOT DEPENDABLE

CONVERSION FACTORS

English to Metric System of Measurement

Quantity	English unit	Multiply by	To get metric equivalent
Length	inches (in)	25.4	millimetres (mm)
		.0254	metres (m)
	feet (ft)	.3048	metres (m)
	miles (mi)	1.6093	kilometres (km)
Area	square inches (in ²)	6.4516×10^{-4}	square metres (m ²)
	square feet (ft ²)	.092903	square metres (m ²)
	acres	4046.9	square metres (m ²)
		.40469	hectares (ha)
		.40469	square hectometres (hm ²)
		.0040469	square kilometres (km ²)
	square miles (mi ²)	2.590	square kilometres (km ²)
Volume	gallons (gal)	3.7854	litres (l)
		.0037854	cubic metres (m ³)
	million gallons (10 ⁶ gal)	3785.4	cubic metres (m ³)
	cubic feet (ft ³)	.028317	cubic metres (m ³)
	cubic yards (yd ³)	.76455	cubic metres (m ³)
	acre-feet (ac-ft)	1233.5	cubic metres (m ³)
		.0012335	cubic hectometres (hm ³)
		1.233×10^{-6}	cubic kilometres (km ³)
Volume/Time			
(Flow)	cubic feet per second (ft ³ /s)	28.317	litres per second (l/s)
		.028317	cubic metres per second (m ³ /s)
	gallons per minute (gal/min)	.06309	litres per second (l/s)
		6.309×10^{-5}	cubic metres per second (m ³ /s)
Mass	million gallons per day (mgd)	.043813	cubic metres per second (m ³ /s)
	pounds (lb)	.45359	kilograms (kg)
	tons (short, 2,000 lb)	.90718	tonne (t)
		907.18	kilograms (kg)
Power	horsepower (hp)	0.7460	kilowatts (kW)
Pressure	pounds per square inch (psi)	6894.8	pascal (Pa)
Temperature	Degrees Fahrenheit (°F)	$\frac{t_F - 32}{1.8} = t_C$	Degrees Celsius (°C)



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